

EPA REGISTRATION NUMBER 66330-60 – VOL. 4

Agency's determination whether a pesticide meets, or does not meet, the standard for registration in FIFRA. EPA has considered tralomethrin and fenarimol in light of the FIFRA standard for registration. The tralomethrin and fenarimol final decision documents in the docket describe the Agency's rationale for issuing a registration review final decision for these pesticides.

In addition to the final registration review decision documents, the registration review docket for tralomethrin and fenarimol also includes other relevant documents related to the registration review of these cases. The proposed registration review decisions were posted to the docket and the public was invited to submit any comments or new information. During the 60-day comment period, no public comments were received. Pursuant to 40 CFR 155.58(c), the registration review case docket for tralomethrin and fenarimol will remain open until all actions required in the final decision have been completed.

Background on the registration review program is provided at: http://www.epa.gov/oppsrrd1/registration_review. Links to earlier documents related to the registration review of these pesticides are provided at: <http://www.epa.gov/pesticides/chemicalsearch/>.

B. What is the agency's authority for taking this action?

Section 3(g) of FIFRA and 40 CFR part 155, subpart C, provide authority for this action.

List of Subjects

Environmental protection, Registration review, Pesticides and pests, Tralomethrin and Fenarimol.

Dated: November 9, 2012.

Richard P. Keigwin, Jr.,

Director, Pesticide Re-evaluation Division,
Office of Pesticide Programs.

[FR Doc. 2012-28213 Filed 11-20-12; 8:45 am]

BILLING CODE 6560-50-P

ENVIRONMENTAL PROTECTION AGENCY

[EPA-HQ-OPP-2005-0252; FRL-9370-2]

Iodomethane; Notice of Receipt of Request to Voluntarily Cancel Iodomethane Pesticide Registrations and Amend a Registration

AGENCY: Environmental Protection
Agency (EPA).

ACTION: Notice.

SUMMARY: In accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), EPA is issuing a notice of receipt of a request by the registrant to voluntarily cancel the registrations of products containing the pesticide iodomethane. In addition, the registrant has amended the terms and conditions of registration for their iodomethane technical product so that as of January 1, 2013, Arysta LifeScience North America, LLC (Arysta) will not sell or distribute this product unless it bears a label statement. The registrant's request would terminate the last iodomethane products registered for use in the United States. EPA intends to grant this request at the close of the comment period for this announcement unless the Agency receives substantive comments within the comment period that would merit its further review of the request. If EPA issues a final order granting this request, the sale, distribution, or use of the products listed in this notice will be permitted only in accordance with the terms as described in the final order.

DATES: Comments must be received on or before December 21, 2012.

ADDRESSES: Submit your comments, identified by docket identification (ID) number EPA-HQ-OPP-2005-0252, by one of the following methods:

- **Federal eRulemaking Portal:** <http://www.regulations.gov>. Follow the online instructions for submitting comments. Do not submit electronically any information you consider to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute.

- **Mail:** OPP Docket, Environmental Protection Agency Docket Center (EPA/DC), (28221T), 1200 Pennsylvania Ave. NW., Washington, DC 20460-0001.

- **Hand Delivery:** To make special arrangements for hand delivery or delivery of boxed information, please follow the instructions at <http://www.epa.gov/dockets/contacts.htm>.

Additional instructions on commenting or visiting the docket, along with more information about dockets generally, is available at <http://www.epa.gov/dockets>.

FOR FURTHER INFORMATION CONTACT:
Andrea Mojica, Pesticide Re-evaluation
Division (7508P), Office of Pesticide
Programs, Environmental Protection
Agency, 1200 Pennsylvania Ave. NW.,
Washington, DC 20460-0001; telephone
number: (703) 308-0122; fax number:
(703) 308-8090; email address:
mojica.andrea@epa.gov.

SUPPLEMENTARY INFORMATION:

I. General Information

A. Does this action apply to me?

This action is directed to the public in general, and may be of interest to a wide range of stakeholders including environmental, human health, and agricultural advocates; the chemical industry; pesticide users; and members of the public interested in the sale, distribution, or use of pesticides. Since others also may be interested, the Agency has not attempted to describe all the specific entities that may be affected by this action.

B. What should I consider as I prepare my comments for EPA?

1. **Submitting CBI.** Do not submit this information to EPA through regulations.gov or email. Clearly mark the part or all of the information that you claim to be CBI. For CBI information in a disk or CD-ROM that you mail to EPA, mark the outside of the disk or CD-ROM as CBI and then identify electronically within the disk or CD-ROM the specific information that is claimed as CBI. In addition to one complete version of the comment that includes information claimed as CBI, a copy of the comment that does not contain the information claimed as CBI must be submitted for inclusion in the public docket. Information so marked will not be disclosed except in accordance with procedures set forth in 40 CFR part 2.

2. **Tips for preparing your comments.** When submitting comments, remember to:

- Identify the document by docket ID number and other identifying information (subject heading, **Federal Register** date and page number).
- Follow directions. The Agency may ask you to respond to specific questions or organize comments by referencing a Code of Federal Regulations (CFR) part or section number.
- Explain why you agree or disagree; suggest alternatives and substitute language for your requested changes.
- Describe any assumptions and provide any technical information and/or data that you used.
- If you estimate potential costs or burdens, explain how you arrived at your estimate in sufficient detail to allow for it to be reproduced.
- Provide specific examples to illustrate your concerns and suggest alternatives.
- Explain your views as clearly as possible, avoiding the use of profanity or personal threats.
- Make sure to submit your comments by the comment period deadline identified.

II. Background on the Receipt of Requests To Cancel

This notice announces receipt by EPA of a request from Arysta to cancel all of its iodomethane product registrations. Iodomethane is a pre-plant soil fumigant used to control pests in soil where fruits, vegetables, ornamental plants, and turf will be grown. In a Memorandum of Agreement (MOA), Arysta and EPA agreed to cancel and amend the pesticide product registrations identified in Tables 1 and 2 of Unit III. Specifically, the MOA contains Arysta's irrevocable request that its end-use products, EPA Registration Numbers 66330-43, 66330-57, 66330-58, 66330-59, and 66330-60,

will be canceled effective December 31, 2012, and that its iodomethane technical product, EPA Registration Number 66330-44 will be canceled effective December 1, 2015. The MOA also adds a condition of registration to the technical product's registration that as of January 1, 2013, Arysta will not sell or distribute this product unless its label bears the following statement:

It is unlawful to use this product for any purpose in the United States, except for formulation of products intended for export consistent with the requirements of FIFRA section 17.

(The request for amendment is conditioned on the issuance of a cancellation order including the requested effective dates and existing

stocks provisions.) Granting the registrant's cancellation request would terminate the last iodomethane products registered in the United States.

III. What action is the agency taking?

This notice announces receipt by EPA of the request to cancel the iodomethane product registrations described in Unit II. The affected products and the registrant making the requests are identified in Tables 1-3 of this unit.

Unless the Agency receives substantive comments in response to this notice that warrant further review of this request, EPA intends to issue an order canceling the affected registrations on the requested effective dates.

TABLE 1—IODOMETHANE PRODUCT REGISTRATIONS WITH PENDING REQUESTS FOR CANCELLATION

Registration No.	Product name	Company
66330-43	Midas 98:2	Arysta LifeScience North America, LLC.
66330-44	Iodomethane Technical	Arysta LifeScience North America, LLC.
66330-57	Midas 50:50	Arysta LifeScience North America, LLC.
66330-58	Midas EC Bronze	Arysta LifeScience North America, LLC.
66330-59	Midas 33:67	Arysta LifeScience North America, LLC.
66330-60	Midas EC Gold	Arysta LifeScience North America, LLC.

TABLE 2—IODOMETHANE PRODUCT REGISTRATION WITH PENDING REQUESTS FOR AMENDMENT

Registration No.	Product name	Company
66330-44	Iodomethane Technical	Arysta LifeScience North America, LLC.

Table 3 of this unit includes the name and address of record for the registrant of the products listed in Table 1 and Table 2 of this unit. This number corresponds to the first part of the EPA registration numbers of the products listed in Table 1 and Table 2 of this unit.

TABLE 3—REGISTRANT REQUESTING VOLUNTARY CANCELLATION AND AMENDMENTS

EPA Company No.	Company name and address
66330	Arysta LifeScience North America, 15401 Weston Parkway, Suite 150, Cary, NC 27513.

IV. What is the agency's authority for taking this action?

Section 6(f)(1) of FIFRA provides that a registrant of a pesticide product may at any time request that any of its pesticide registrations be canceled or amended to terminate one or more uses. FIFRA further provides that, before acting on the request, EPA must publish

a notice of receipt of any such request in the **Federal Register**.

Section 6(f)(1)(B) of FIFRA requires that before acting on a request for voluntary cancellation, EPA must provide a 30-day public comment period on the request for voluntary cancellation or use termination. In addition, FIFRA section 6(f)(1)(C) requires that EPA provide a 180-day comment period on a request for voluntary cancellation or termination of any minor agricultural use before granting the request, unless:

1. The registrants request a waiver of the comment period, or
2. The EPA Administrator determines that continued use of the pesticide would pose an unreasonable adverse effect on the environment.

The iodomethane registrant has requested that EPA waive the 180-day comment period. Accordingly, EPA will provide a 30-day comment period on the proposed requests.

V. Provisions for Disposition of Existing Stocks

Existing stocks are those stocks of registered pesticide products that are currently in the United States and that

were packaged, labeled, and released for shipment prior to the effective date of the action. If the request for voluntary cancellation is granted, the Agency intends to publish the cancellation order in the **Federal Register**. EPA intends to include in any such final order the following provisions for the treatment of any existing stocks of the product(s) listed in Tables 1 and 2 of Unit III.

In any final order granting Arysta's request for voluntary cancellation of its iodomethane technical/manufacturing-use product registration, as of the effective date of the cancellation order, all sale and distribution of existing stocks of Arysta's iodomethane technical/manufacturing-use product by Arysta shall be prohibited unless the sale or distribution is for proper disposal or is solely for purposes of export consistent with the requirements of section 17 of FIFRA. In any final order granting Arysta's request for voluntary cancellation of end-use product registrations:

1. As of the effective date of the cancellation order, Arysta is prohibited from distributing or selling existing stocks of end-use products, unless the

sale or distribution is for proper disposal, or is solely for export consistent with the requirements of FIFRA section 17;

2. As of the effective date of the cancellation order, persons other than Arysta are prohibited from distributing or selling existing stocks of Arysta's end-use products, unless the sale or distribution is for proper disposal, return to Arysta, or is intended solely for export consistent with the requirements of FIFRA section 17; and

3. As of the effective date of the cancellation order, no person may use any existing stocks of any of Arysta's end-use products.

List of Subjects

Environmental protection, Pesticides and pests.

Dated: November 14, 2012.

Richard P. Keigwin, Jr.

Director, Pesticide Re-evaluation Division,
Office of Pesticide Programs.

[FR Doc. 2012-28210 Filed 11-20-12; 8:45 am]

BILLING CODE 6560-50-P

EXPORT-IMPORT BANK OF THE UNITED STATES

Sunshine Act Meeting

ACTION: Notice of a Partially Open Meeting of the Board of Directors of the Export-Import Bank of the United States.

TIME AND PLACE: Thursday, November 29, 2012 at 9:30 a.m. The meeting will be held at Ex-Im Bank in Room 321, 811 Vermont Avenue NW, Washington, DC 20571.

OPEN AGENDA ITEMS: Item No. 1: Ex-Im Bank Advisory Committee for 2013 (Additional New Member).

PUBLIC PARTICIPATION: The meeting will be open to public observation for Item No. 1 only.

FURTHER INFORMATION: For further information, contact: Office of the Secretary, 811 Vermont Avenue NW., Washington, DC 20571 (202) 565-3336.

Lisa V. Terry,

Assistant General Counsel.

[FR Doc. 2012-28417 Filed 11-19-12; 4:15 pm]

BILLING CODE 6690-01-P

FEDERAL COMMUNICATIONS COMMISSION

Information Collections Approved by the Office of Management and Budget (OMB)

AGENCY: Federal Communications Commission.

ACTION: Notice.

SUMMARY: The Federal Communications Commission has received Office of Management and Budget (OMB) approval for the following public information collections pursuant to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501-3520). An agency may not conduct or sponsor a collection of information unless it displays a currently valid OMB control number, and no person is required to respond to a collection of information unless it displays a currently valid OMB control number. Comments concerning the accuracy of the burden estimates and any suggestions for reducing the burden should be directed to the person listed in the **FOR FURTHER INFORMATION CONTACT** section below.

FOR FURTHER INFORMATION CONTACT:

Nakesha Woodward, Wireline Competition Bureau, Telecommunications Access Policy Division at 202-418-7400 or email at Kesha.Woodward@fcc.gov.

SUPPLEMENTARY INFORMATION:

OMB Control Number: 3060-0824.

OMB Approval Date: November 1, 2012.

OMB Expiration Date: November 30, 2015.

Title: Service Provider Identification Number (SPIN) and Contact Information Form, Report and Order, GN Docket No. 09-191 and WC Docket No. 07-52.

Form Number: FCC Form 498.

Estimated Annual Burden: 5,000 respondents; 5,000 responses; 1.5 hours per response; 7,500 burden hours per year; total annual cost burden N/A.

Obligation to Respond: Required to obtain or retain benefits. The statutory authority for this collection is contained in sections 1-4 and 254 of the Communications Act of 1934, as amended, 47 U.S.C. 151-154, 254, and Part 54 of the Commission's rules.

Nature and Extent of Confidentiality: The Commission notes that USAC must preserve the confidentiality of all data obtained from respondents and contributors to the universal service programs, must not use the data except for purposes of administering the universal service programs, and must not disclose data in company-specific form unless directed to do so by the Commission. With respect to the Service Provider Identification Number and Contact Information Form (FCC Form 498), USAC shall publish each participant's name, SPIN, and contact information via USAC's Web site. All other information, including financial institution account numbers or routing information, shall remain confidential.

Needs and Uses: The information collected by FCC Form 498 is used by USAC to disburse federal universal service support consistent with the specifications of eligible participants in the universal service programs. FCC Form 498 submissions also provide USAC with updated contact information so that USAC can contact universal service fund participants when necessary. Without such information, USAC would not be able to distribute support to the proper entities and this would prevent the Commission from fulfilling its statutory responsibilities under the Act to preserve and advance universal service.

Federal Communications Commission.

Bulah P. Wheeler,

Associate Secretary.

[FR Doc. 2012-28347 Filed 11-20-12; 8:45 am]

BILLING CODE 6712-01-P

FEDERAL MARITIME COMMISSION

Notice of Agreement Filed

The Commission hereby gives notice of the filing of the following agreement under the Shipping Act of 1984. Interested parties may submit comments on the agreement to the Secretary, Federal Maritime Commission, Washington, DC 20573, within ten days of the date this notice appears in the **Federal Register**. Copies of the agreements are available through the Commission's Web site (www.fmc.gov) or by contacting the Office of Agreements at (202) 523-5793 or tradeanalysis@fmc.gov.

Agreement No.: 012057-008.

Title: CMA CGM/Maersk Line Space Charter, Sailing and Cooperative Working Agreement Asia to USEC and PNW-Suez/PNW & Panama Loops.

Parties: A.P. Moller-Maersk A/S and CMA CGM S.A.

Filing Party: Mark J. Fink, Esq.; Cozen O'Connor; 1627 I Street, NW Suite 1100; Washington, DC 20006.

Synopsis: The amendment would provide for the deployment of the seventeenth vessel and revise the space allocations of the parties accordingly. The parties have requested expedited review.

By Order of the Federal Maritime Commission.

Dated: November 16, 2012.

Karen V. Gregory,

Secretary.

[FR Doc. 2012-28344 Filed 11-20-12; 8:45 am]

BILLING CODE 6730-01-P

Memorandum of Agreement Between the Environmental Protection Agency and Arysta LifeScience North America, LLC Regarding the Registrations of Pesticide Products Containing Iodomethane

This Memorandum sets forth and initiates the terms of an agreement ("Agreement") between the United States Environmental Protection Agency ("EPA") and Arysta LifeScience North America, LLC ("Arysta") regarding all registrations held by Arysta under the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA") of pesticide products containing the active ingredient iodomethane.

The specific terms of this Agreement are as follows:

1. By the authorized signature below, Arysta hereby requests an amendment to their iodomethane technical/manufacturing-use registration to add a condition of registration that: as of January 1, 2013, Arysta will not sell or distribute this product unless it bears this label statement: "It is unlawful to use this product for any purpose in the United States, except for formulation of products intended for export consistent with the requirements of FIFRA Section 17." A draft of Arysta's revised product label to effect the requested amendment is attached as Appendix A. The amendment request in this paragraph is expressly conditioned on the issuance of a final cancellation order for the affected products as described in paragraph 3 of this Agreement.
2. By the authorized signature below, Arysta hereby requests, pursuant to section 6(f) of FIFRA, voluntary cancellation of all of their existing FIFRA registrations for products containing iodomethane as their active ingredient. Arysta requests that the effective date of cancellation of all of their end-use product registrations, identified in Appendix B to this Agreement, would be December 31, 2012. In addition, Arysta requests that the effective date of cancellation of their technical/manufacturing-use product registration, identified in Appendix C to this Agreement, would be December 1, 2015. Arysta's requests are irrevocable and unconditional, except as provided in this paragraph. The requests are expressly conditioned upon the inclusion in any cancellation order of the terms set forth in this paragraph concerning the effective date of cancellation, and in

paragraphs 5 and 6 of this Agreement governing the treatment of existing stocks of canceled products and notifications to distributors and retailers. Arysta also requests that the Administrator waive the 180-day public comment period under section 6(f)(1)(C)(ii) of FIFRA.

3. EPA intends to publish a Federal Register notice promptly upon execution of this Agreement announcing receipt of Arysta's requests for voluntary cancellation of all of the registrations for iodomethane products held by Arysta, and for the amendment for its iodomethane technical product label, and announce a 30-day public comment period. EPA anticipates that, shortly after the close of the public comment period, it would grant the requested amendment described in paragraph 1 of this Agreement, and immediately thereafter issue a final order granting the requests for cancellation described in paragraph 2 of this Agreement. EPA anticipates that the registration amendment would become effective immediately upon approval. EPA anticipates that the effective date of cancellation for end-use product registrations would be December 31, 2012 and that the effective date of cancellation for the technical/manufacturing-use product would be December 1, 2015.
4. The cancellation orders issued pursuant to this Agreement shall be deemed to satisfy all outstanding Data Call-In Notices issued to Arysta under FIFRA Section 3(c)(2)(B) requiring the submission of data to support the iodomethane product registrations, and Arysta's execution of this Agreement shall be deemed "appropriate steps" toward the securing of the data in question, for purposes of FIFRA Section 3(c)(2)(B)(iv). Provided that all terms of this Agreement are fully implemented as stated herein and implemented according to the schedules stated herein, EPA will not issue any new Data Call-In Notices pertaining to Arysta's currently registered iodomethane products subject to the terms of this Agreement. This paragraph will not apply in the event that Arysta chooses to submit an application for registration of any other iodomethane product.
5. The voluntary cancellation request in paragraph 2 is expressly conditioned upon the inclusion of the following existing stocks provisions.

- a. Technical/Manufacturing-use product registration. In any cancellation order issued in response to Arysta's request for voluntary cancellation of its iodomethane technical/manufacturing-use product registration:
 - i. As of the effective date of the cancellation order, all sale and distribution of existing stocks (as that term is defined in EPA's existing stocks policy (56 FR 29362, June 26, 1991)) of Arysta's iodomethane technical/manufacturing-use product by Arysta shall be prohibited unless the sale or distribution is for proper disposal or solely for purposes of export consistent with the requirements of section 17 of FIFRA.
 - b. End-use product registrations. In any cancellation order issued in response to Arysta's request for voluntary cancellation of end-use product registrations:
 - i. As of the effective date of the cancellation order, Arysta is prohibited from distributing or selling existing stocks of end-use products, unless the sale or distribution is for proper disposal, or is solely for export consistent with the requirements of FIFRA Section 17;
 - ii. As of the effective date of the cancellation order, persons other than Arysta are prohibited from distributing or selling existing stocks of Arysta's end-use products, unless the sale or distribution is either for proper disposal, return to Arysta, or is intended solely for export consistent with the requirements of FIFRA Section 17; and
 - iii. As of the effective date of the cancellation order, no person may use any existing stocks of any of Arysta's end-use products.
6. Any cancellation order issued in response to Arysta's request for voluntary cancellation of product registrations pursuant to paragraph 2 of this Agreement will also require that within 30 days of the date of publication of the order in the Federal Register, Arysta shall send the following documents by certified mail, return receipt requested, to (1) every person who purchased any such product directly from Arysta since December 31, 2011; and (2) any retailer known to Arysta to have sold any end-use product since December 31, 2011:

- a. A letter that identifies (1) the iodomethane product(s) that were purchased and the dates of such purchase; (2) that any distribution or sale of Arysta's end-use iodomethane products will be unlawful under FIFRA after December 31, 2012; (3) that Arysta's end-use iodomethane products in users' possession may not be used after December 31, 2012; and (4) that after December 31, 2012, all remaining existing stocks of Arysta's iodomethane end-use products must be disposed of in accordance with all applicable state and Federal laws or returned to Arysta; and
 - b. A hard copy of the actual cancellation order that was published in the Federal Register.
7. Failure to comply with any requirement of the cancellation order, including the conditions described in paragraph 6 above, will constitute an unlawful act under FIFRA Section 12(a)(2)(K).
8. Arysta agrees that it will not challenge or provide legal, financial or technical assistance to anyone challenging in any judicial or administrative forum any of the provisions of this Agreement, or of any cancellation orders or section 6(f) notices or the pendency of such orders or notices putting the terms of this Agreement into effect. Notwithstanding the foregoing sentence, nothing in this paragraph shall limit Arysta's right to: (1) provide information concerning iodomethane to any other entity unless it can reasonably be anticipated that such information is intended to be used by that entity in litigation (or in other ways) against EPA for the purposes of challenging any of the provisions of or implementation of this Agreement; (2) challenge (in any forum) EPA's failure to apply to Arysta's products containing iodomethane, after the date of this Agreement, any changes in, or adoption of, EPA policies of general applicability that would result in a material change in the limitations or obligations imposed on Arysta under this Agreement; (3) support or participate (in any forum) in any effort that challenges any EPA policy or practices of general applicability that may affect the limitations or obligations of Arysta under this Agreement, including the support of or participation in the activities of any trade association or coalition that is involved in any such challenge; (4) defend itself in

any judicial or administrative proceeding that is not a challenge to any of the provisions of this Agreement (or any cancellation orders or section 6(f) notices or the pendency of such orders or notices putting the terms of this Agreement into effect); or (5) submit any application in accordance with all applicable substantive and procedural requirements for registration of a product containing iodomethane, except that no such application shall be subject to 40 C.F.R. Part 164, subpart D.

9. This Agreement may be executed in any number of counterpart originals, each of which shall be deemed to constitute an original agreement, and all of which shall constitute one agreement. The execution of one counterpart by any party shall have the same force and effect as if that party has signed all other counterparts.
10. It is hereby expressly understood and agreed that this Agreement was jointly drafted by Arysta and EPA. Accordingly, the parties hereby agree that any and all rules of construction to the effect that ambiguity is construed against the drafting party shall be inapplicable in any dispute concerning the terms, meaning, or interpretation of this Agreement.
11. This Agreement constitutes the complete Agreement reached by EPA and Arysta. All prior conversations, meetings, discussions, drafts and writings of any kind are specifically superseded by this Agreement.
12. This Agreement shall take effect on the date it has been signed by both EPA and Arysta, or if not signed on the same day, the later of any such signature date.

WE AGREE TO THIS:

Bernard P. Keigwin, Jr.

U.S. Environmental Protection Agency

11/14/2012

Date

Dana Sargent

Arysta LifeScience North America, LLC

8 NOV 2012

Date



**REGISTRATION ACTION:
FINAL PRINTED LABEL**

FEE CATEGORY: None

January 30, 2012

Courier delivery via FEDEX

Ms. Mary L. Waller, Product Manager 21
Document Processing Desk (NOTIF)
Office of Pesticide Programs – 7504C
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Subject: Midas® EC Gold, EPA Reg. No. 66330-60
Final Printed Label per EPA Acceptance Letter dated Jan 6, 2012

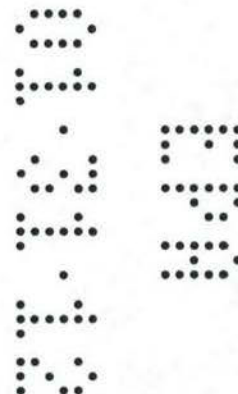
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Dear Ms. Waller:

Please find enclosed two copies of final printed labeling for Midas EC Gold, EPA Reg. No. 66330-60 per your acceptance letter of January 6, 2012.

Should you have any questions or comments pertaining to Arysta's MIDAS EC Gold registration, please feel free to contact me via email at rodney.akers@arystalifescience.com or via phone at 919-678-4922. Thank you.

Sincerely,

Rodney C. Akers, Ph.D.
Regulatory Manager





United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Arysta LifeScience North America/EPA Reg No. 66330-60	2. EPA Product Manager M. Waller	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Arysta LifeScience North America/ Midas EC Gold	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America 15401 Weston Parkway, Suite 150 Cary, NC 27513 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated Jan 10, 2012
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
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6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____
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Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Rodney C. Akers, Ph.D.	Title Regulatory Manager	Telephone (Include Area Code) (919) 678-4922
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received
(Stamped)

2. Signature 	3. Title Regulatory Manager
4. Typed Name Rodney C. Akers, Ph.D.	5. Date January 30, 2012

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



Arysta LifeScience

NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Draft Labeling Dated

7/6/2012

MASTER LABEL

Note: This master label consist of two different labels due to state requirements:

- MIDAS® EC GOLD For sale and use in all states other California
- MIDAS® EC GOLD For sale and use in California only. MIDAS® EC GOLD FOR SALE AND USE IN CALIFORNIA ONLY VIA DRIP IRRIGATION

MIDAS® EC GOLD

ACTIVE INGREDIENTS:

Iodomethane 32.93%

Chloropicrin 61.69%

OTHER INGREDIENTS: 5.38%

TOTAL: 100.00%

One gallon weighs 14.5 pounds (5 pounds of iodomethane and 9.5 pounds of chloropicrin)

**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

For Product Use Information Call 1-866-761-9397

Produced for:

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

NET WEIGHT: _____ lbs



**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MIDAS® EC GOLD

For sale and use in all states other than California

Only For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane 32.93%

Chloropicrin 61.69%

OTHER INGREDIENTS: 5.38%

TOTAL: 100.00%

One gallon weighs 14.5 pounds (5 pounds of iodomethane and 9.5 pounds of chloropicrin)

**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything to an unconscious person.

<p>HOT LINE NUMBERS</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 or 1-651-632-8946</p>
<p>NOTE TO PHYSICIAN</p> <p>Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.</p>

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.

EPA Est. No.

Net Weight: _____ lbs

Manufactured for:
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Draft Labeling Dated

1/10/12

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PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SPECIAL NOTE: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate or viton ≥ 14 mils. For more options, follow the instructions for category H on the chemical-resistance category selection chart.

When performing tasks with potential for contact with liquid fumigant, all handlers (including applicators) must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant apron,
- Chemical-resistant footwear with socks,
- Full-face shield or safety glasses with brow, temple and side protection. DO NOT wear goggles, and
- A half-face air-purifying respirator with a 3M Brand No. 60928 organic vapor (OV) cartridge with a P100 pre-filter, (NIOSH approved number prefix TC-84A), or one specifically tested against iodomethane which performs equivalent to the 60928 cartridge filter, including P100 pre-filter.
- In addition, if sensory irritation (tearing, burning, of the eyes or nose) is experienced while wearing a half-face air-purifying respirator, handlers must wear at a minimum a full-facepiece air-purifying respirator with a 3M Brand No. 60928 organic vapor (OV) cartridge with P100 pre-filter, (NIOSH approval number prefix TC-84A) or one specifically tested against iodomethane which performs equivalent to the 60928 cartridge filter, including P100 pre-filter. See Directions for Use, Air Monitoring Requirements and, Respiratory Protection and Stop Work Triggers, number 1: *Handlers Wearing Half-Face Air-Purifying Respirators*, for when a full-facepiece air-purifying respirator is required.

When performing tasks with NO potential for contact with liquid fumigant, all handlers (including applicators) present in either the application block from the start of the application until 5 days (120 hours) after the application is complete or the buffer zone during the buffer zone period or performing fumigant site monitoring must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants,
- Shoes plus socks,
- Full-face shield or safety glasses with brow, temple and side protection. DO NOT wear goggles, and
- A half face air-purifying respirator with a 3M Brand No. 60928 organic vapor (OV) cartridge with a P100 pre-filter, (NIOSH approval number prefix TC-84A), or one specifically tested against iodomethane which performs equivalent to the 60928 cartridge filter, including P100 pre-filter.
- In addition, if sensory irritation (tearing, burning, of the eyes or nose) is experienced while wearing a half-face air-purifying respirator, handlers must wear at a minimum a full-facepiece air-purifying respirator with a 3M Brand No. 60928 organic vapor (OV) cartridge with P100 pre-filter, (NIOSH approval number prefix TC-84A) or one specifically tested against iodomethane which performs equivalent to the 60928 cartridge filter, including P100 pre-filter. See Directions for Use, Air Monitoring Requirements and, Respiratory Protection and Stop Work Triggers, number 1: *Handlers Wearing Half-Face Air-Purifying Respirators*, for when a full-facepiece air-purifying respirator is required.

Exception: Handlers performing fumigant site monitoring tasks outside the buffer zone are not required to wear an air-purifying respirator.

When performing tasks with NO potential for contact with liquid fumigant, all handlers (including applicators) present in the application block 5 days (120 hours) after the application is complete until the entry restricted period expires must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants,
- Shoes plus socks, and
- Full-face shield or safety glasses with brow, temple and side protection. DO NOT wear goggles.
- In addition, if sensory irritation (tearing, burning, of the eyes or nose) is experienced, handlers must wear at a minimum a full-facepiece air-purifying respirator with a 3M Brand No. 60928 organic vapor (OV) cartridge with P100 pre-filter, (NIOSH approval number prefix TC-84A) or one specifically tested against iodomethane which performs equivalent to the 60928 cartridge filter, including P100 pre-filter. See Directions for Use, Air Monitoring Requirements and, Respiratory Protection and Stop Work Triggers, number 2: *Handlers in the Application Block 5 days (120 hours) after the Application is Complete until the Entry Restricted Period Expires*, for when a full-facepiece air-purifying respirator is required.

Exception: Handlers removing tarps may be required to wear air-purifying respirators if monitoring indicates that iodomethane levels are between 0.2 ppm and 5 ppm. See *Tarp Perforation and/or Removal* section for requirements.

IMPORTANT: A self-contained breathing apparatus (SCBA)] is not permitted for routine handler tasks.

If responding to an emergency when corrective action is needed to reduce air concentrations to acceptable levels, wear an SCBA. Escape only SCBA respirators must not be used by handlers for responding to emergencies. In addition wear PPE required for potential contact with liquid fumigant.

User Safety Requirements

- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing and gloves, if worn, immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing and gloves, if worn.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to mammals and birds. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate. Iodomethane and chloropicrin have certain properties and characteristics in common with chemicals that have been detected in ground water (iodomethane and chloropicrin are highly soluble in water and have low adsorption to soil).

Physical Or Chemical Hazards

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

Restricted Use Pesticide

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only handlers may be in the application block from the start of the application until the entry restricted period ends, and in the buffer zone during the buffer zone period.

For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

For the entry restricted period and notification requirements, see the **Entry Restricted Period and Notification** sections of this labeling.

PPE for Entry during the Entry Restricted Period: PPE for entry that is permitted by this labeling is listed in the *Personal Protective Equipment (PPE)* section of this labeling.

Terms Used in this Labeling

Soil Fumigant Training Program: Certified applicator training that provides information on (1) how to correctly apply the fumigant, including how to comply with new label requirements; (2) how to protect handlers and bystanders; (3) how to determine buffer zone distances; (4) how to complete an FMP and the post-application summary; (5) how to determine when weather and other site-specific factors are not favorable for fumigant application; (6) how to comply with required GAPs and how to document compliance with GAPs in the FMP; and (7) how to develop and implement emergency response plans.

Fumigant Safe Handling Information: Information that must be provided annually to handlers that must include the following: (1) what fumigants are and how they work, (2) safe application and handling of soil fumigants, (3) air monitoring and respiratory protection requirements for handlers, (4) early signs and symptoms of exposure, (5) appropriate steps to take to mitigate exposures, (6) what to do in case of an emergency and (7) how to report incidents.

Application Block: Area within the perimeter of the fumigated portion of a field (including furrows, irrigation ditches, roadways). The perimeter of the application block is the border that connects the outermost edges of total area treated with the fumigant product.

Application Rate: The ratio of fumigant mass applied compared to the soil surface area (e.g., pounds of product per acre). The application rate is expressed on this labeling in terms of either the "treated area application rate" or the "broadcast equivalent application rate." The "treated area application rate" relates to only the rate of fumigant applied to the portion of the field that is fumigated (e.g., rate within the bed or strips). The "broadcast equivalent application rate" relates to the rate of fumigant applied within the entire perimeter of the application block. For bedded and strip applications, the "broadcast equivalent application rate" must be calculated to determine the buffer zone distance required by this labeling.

Start of the Application: The time at which the fumigant is first delivered/dispensed into the soil in the application block.

Application is Complete: The time at which the fumigant has stopped being delivered/dispensed into the soil and the soil has been sealed; drip lines have been purged (if applicable).

Entry Restricted Period: This period begins at the start of the application and expires depending on the application method and if tarps are used when the tarps are perforated and removed. Entry into the application block during this period is only allowed for appropriately PPE-equipped handlers performing handling tasks. See the *Entry Restricted Period and Notification* section for additional information.

Buffer Zone: An area established around the perimeter of each application block. The buffer zone must extend outward from the edge of the application block perimeter equally in all directions.

Buffer Zone Period: Begins at the start of the application and lasts for a minimum of 48-hours after the application is complete. Non-handlers must be excluded from the buffer zone during the buffer zone period.

Difficult to Evacuate Sites: Pre-K to Grade 12 schools, state licensed daycare centers, nursing homes, assisted living facilities, hospitals, in-patient clinics, and prisons.

Owner: Any person who has a present possessory interest (fee, leasehold, rental, or other) in an agricultural establishment. A person who has both leased such agricultural establishment to another person and granted that same person the right and full authority to manage and govern the use of such agricultural establishment is not an owner. See definition of "owner" in WPS (40 CFR §170.3).

Roadway: Portion of a street or highway improved, designed or ordinarily used for vehicular travel, exclusive of the sidewalk or shoulder even if such sidewalk or shoulder is used by persons riding bicycles. In the event a highway includes two or more separated roadways, the term *roadway* shall refer to any such roadway separately.

Representative Handling Task: For air monitoring, the locations and handler activities sampled must represent each handler's exposure occurring within the application block. For example, for an application consisting of a seven-handler crew (1 tractor driver, 1 tractor co-pilot, 4 shovelers, and 1 certified applicator supervising) two breathing zone samples could be collected: one sample for the tractor co-pilot and one sample for a downwind shoveler. Results of previous sampling may indicate which tasks and locations are worst case and therefore representative of all handlers.

Certified Applicator Training

Any certified applicator supervising a soil fumigant application must have successfully completed one of the soil fumigant training programs listed on the following EPA website www.epa.gov/fumiganttraining for the active ingredient(s) in this product. The training must be

completed in the time frames listed on the website. The FMP must document the date and location where the soil fumigant training program was completed.

Product Information and Instructions

This fumigant is a highly hazardous material. All uses of this fumigant are covered under the Worker Protection Standard, and must be conducted in accordance with all of the requirements of the Worker Protection Standard, (40 CFR Part 170). It is a restricted use pesticide that must only be used by Certified Applicators, trained in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handlers under their direct supervision. Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

Control of Soil-Borne Pests: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds and diseases.

MIDAS EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morning glory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, stubby root, dagger, awl, sheath and sting (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

Restrictions and Use Precautions

- Comply with all local ordinances and regulations.
- The use of this product is restricted to the methods described in this label.
- Applications are limited to 40 contiguous acres or less per day.
- In Florida, do not apply this product within 100 feet of a potable drinking water well.

- Never fumigate alone. A minimum of two persons must be present during handling and application of soil fumigants.
- Additional instructions must be made available to handlers in the mechanical operation of the application equipment and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all handlers positioned "upwind" from the container and/or where there is adequate ventilation.
- When fumigating, it is required that 5 gallons of water be available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."
- For raised bed drip applications, keep all pets, livestock and other domestic animals out of the treated areas for 5 days. Most raised bed applications will not result in tarp removal.
- Crop injury, lack of effectiveness, or illegal pesticide residues on the crop can result from non-uniform distribution of treated water.
- If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Fumigation of highly acidic soils or those high in organic matter can cause ammonia toxicity to plants and/or elevated levels of soluble salts in the soil causing phytotoxicity. Analyze soil following fumigation and fertilize as indicated. Avoid those fertilizers using ammonium salts.
- Apply this product only through buried drip tape. Do not apply this product through any other type of irrigation system. Drip tape used to apply MIDAS EC GOLD must be buried 2-4 inches beneath the soil surface. Use of a tarp seal is required for all applications of this product.
- Do not connect an irrigation system used for pesticide applications to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Handlers

The following activities are prohibited from being performed by anyone other than persons who have been appropriately trained and equipped as handlers in accordance with the requirements in the WPS (40 CFR Part 170):

- Monitoring fumigant air concentrations;
- Cleaning up fumigant spills (this does not include emergency personnel not associated with the fumigation application);
- Handling or disposing of fumigant containers;

- Cleaning, handling, adjusting, or repairing the parts of application equipment that may contain fumigant residues; and
- Performing any handling tasks as defined by the WPS (40 CFR 170).

The following activities are prohibited from being performed in the application block from the start of the application until the entry restricted period ends and in the buffer zone during the buffer zone period by anyone other than persons who have been appropriately trained and equipped as handlers in accordance with the requirements in WPS (40 CFR Part 170). (NOTE: persons repairing and monitoring tarps are considered handlers for the duration listed below). Prohibited activities (except for trained and equipped handlers) include:

- Participating in the application as supervisors, loaders, drivers, tractor co-pilots, shovelers, cross ditchers, or as other direct application participants;
- Installing, repairing, operating, or removing irrigation equipment;
- Performing scouting, crop advising, or monitoring tasks;
- Installing, perforating (cutting, punching, slicing, poking), or removing tarps; and
- Repairing or monitoring tarps until 14 days after application is complete if tarps are not perforated and removed during those 14 days.

NOTE: see *Tarp Perforation and/or Removal* section on this labeling for requirements about when tarps are allowed to be perforated.

Handlers do not include local, state, or federal officials performing inspection, sampling, or other similar official duties.

Protection for Handlers

Supervision of Handlers

For water-run applications (e.g., drip), a certified applicator must be in the line of sight of the application at the start of the application, including set-up, calibration, and initiation of the application. A certified applicator may leave but must return at least every two hours to visually inspect the equipment to ensure proper functioning, and must directly supervise all WPS-trained handlers until the application is complete. WPS-trained handlers may perform these monitoring functions in place of a certified applicator but they must be under the supervision of a certified applicator and be able to communicate with a certified applicator at all times during monitoring activities via cell phone or other means.

For handling activities that take place after the application is complete until the entry restricted period expires, the certified applicator is not required to be on-site, but must have communicated in a manner that can be understood by the site owner and handlers responsible for carrying out those activities the information necessary to comply with the label and procedures described in the FMP (e.g., emergency response plans and procedures).

IMPORTANT: This requirement does not override the requirements in the Worker Protection Standard for Agricultural Pesticides for information exchange between operators of agricultural establishments and commercial pesticide applicators.

The certified applicator must provide **Fumigant Safe Handling Information** to each handler or confirm that within the past 12 months, each handler has received **Fumigant Safe Handling Information** in a manner that he/she can understand. **Fumigant Safe Handling Information** will be provided where this product is purchased or at <http://www.epa.gov/fumigantraining>.

For all handling tasks at least two handlers must be present.

Exception: After the application is complete, only one trained handler is required to perform fumigant site monitoring tasks outside of the buffer zone.

Exclusion of Non-Handlers from Application Block and Buffer Zone:

The certified applicator supervising the application and the owner of the establishment where the application is taking place must make sure that all persons who are not trained and PPE-equipped and who are not performing one of the handling tasks as stated in this labeling are:

- excluded from the application block during the entry restricted period, and
- excluded from the buffer zone during the buffer zone period (see buffer zone exemption for transit on roadways in *Buffer Zone Requirements* section).

Local, state, or federal officials performing inspection, sampling, or other similar official duties are not excluded from the application block or the buffer zone by this labeling. The certified applicator supervising the application and the owner of the establishment where the application is taking place are not authorized to, or responsible for, excluding those officials from the application block or the buffer zone.,

Providing, Cleaning and Maintaining PPE

The employer of any handler (as stated in this label) must make sure that all handlers are provided and correctly wear the required PPE. The PPE must be cleaned and maintained as required by the Worker Protection Standard for Agricultural Pesticides.

Air-Purifying Respirator Availability

The employer of any handler must confirm that an air-purifying respirator and appropriate cartridges of the type specified in the *PPE* section of this labeling are immediately available for each handler who will wear one. At a minimum two handlers must have the appropriate air-purifying respirator and cartridges available (see *Respirator Fit Testing, Medical Qualification, and Training* section for additional requirements).

Exception: Air-purifying respirators do not need to be made available for handlers performing fumigant site monitoring tasks outside of the buffer zone.

Cartridges must be replaced when odor or irritation from this product becomes apparent during use, if the measured concentration of chloropicrin is greater than or equal to 1.5 ppm, if the measured concentration of iodomethane is greater than or equal to 5 ppm, or after 8 hours of cumulative use, whichever occurs first.

Respirator Fit Testing, Medical Qualification and Training

Using a program that conforms to OSHA's requirements (see 29 CFR Part 1910.134), employers must verify that any handler who uses a respirator is:

- Fit-tested and fit-checked
- Trained and

- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart condition) that would be problematic for respirator use. If concerns are identified, then additional evaluations, such as a physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status or respirator style or use-conditions change.
- Upon request by local/state/federal/tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements.

Air Monitoring Requirements and Respiratory Protection and Stop Work Triggers

Air Monitoring Requirements

- When half-face or full-facepiece air-purifying respirators are worn, air-monitoring samples for iodomethane must be collected at least every 2 hours in the breathing zone of a handler performing a representative handling task. Chloropicrin breathing zone samples must also be collected at least every 2 hours if full-facepiece air-purifying respirators are worn.
- When breathing zone samples are required, they must be taken outside respiratory protection equipment and within a 10 inch radius of the handler's nose and mouth.
- When using devices to monitor air concentration levels, a direct read detection device, such as an electronic device or a colorimetric device (e.g., Matheson-Kitagawa, Draeger, or Sensidyne) must be used. The devices must have a detectable limit of at least 0.2 ppm for iodomethane and 0.15 ppm for chloropicrin. Persons using direct read detection devices must follow the manufacturer's directions.

Respiratory Protection and Stop Work Triggers

1. Handlers Wearing Half-Face Air-Purifying Respirators

(Handlers are required to start work in half-face air-purifying respirators)

The *Air Monitoring Requirements* section above must be followed.

- If at any time an iodomethane breathing zone air sample is greater than 5 ppm, then all handler activities must cease and handlers must be removed from the application block and surrounding buffer zone.
 - a. Handlers can resume operations with half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than or equal to 5 ppm,
 - Handlers do not experience sensory irritation, and
 - Cartridges have been changed.
 - During the collection of air samples a full-facepiece air-purifying respirator must be worn by the handler taking air samples. Samples must be taken where the sample(s) exceeded 5 ppm for iodomethane.

- If at any time any handler experiences sensory irritation (tearing, burning of the eyes or nose) while wearing a half-face air-purifying respirator, then either:
 - (OPTION 1) A full-facepiece air-purifying respirator must be worn by all handlers who remain in the application block or surrounding buffer zone, or
 - (OPTION 2) Operations must cease and handlers not wearing full-facepiece air-purifying respirators must leave the application block and surrounding buffer zone.

For OPTION 1 (all handlers are wearing a full-facepiece air-purifying respirator)

- a) Handlers can **resume** operations wearing half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
 - Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than or equal to 5 ppm
 - Handlers do not experience sensory irritation.
 - During the collection of air samples a full-facepiece air-purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.
- b) If at any time: (1) a handler experiences sensory irritation when wearing a full-facepiece air-purifying respirator, or (2) an iodomethane breathing zone sample is greater than 5 ppm or (3) a chloropicrin breathing zone sample is greater than or equal to 1.5 ppm, then all handler activities must cease and handlers must be removed from the application block and surrounding buffer zone.
 - Handlers can **resume** operations wearing half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
 - Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than or equal to 5 ppm, and
 - Handlers do not experience sensory irritation, and
 - Cartridges have been changed.
 - During the collection of air samples a full-facepiece air-purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced, or where the sample(s) exceeded 5 ppm for iodomethane or where sample(s) were greater than or equal to 1.5 ppm for chloropicrin.

For OPTION 2 (Operations ceased)

- a. Handlers can **resume** operations wearing half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
 - Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than or equal to 5 ppm, and

- Handlers do not experience sensory irritation.
- During the collection of air samples a full-facepiece air purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.

2. Handlers in the Application Block 5 days (120 hours) after the Application is Complete until the Entry Restricted Period Expires

(Handlers are not required to start in half-face air-purifying respirators)

The *Air Monitoring Requirements* section above must be followed.

- If at any time any handler experiences sensory irritation (tearing, burning of the eyes or nose) then either:
 - (OPTION 1) A full-facepiece air-purifying respirator must be worn by all handlers who remain in the application block, or
 - (OPTION 2) Operations must cease and handlers not wearing a full-facepiece air-purifying respirator must leave the application block.

For OPTION 1 (all handlers are wearing a full-facepiece air-purifying respirator)

- a. Handlers can remove full-facepiece air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm.
 - Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.2 ppm, and
 - Handlers do not experience sensory irritation.
 - During the collection of air samples a full-facepiece air purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.
- b. If at any time: (1) a handler experiences sensory irritation when wearing a full-facepiece air-purifying respirator, or (2) an iodomethane breathing zone sample is greater than 5 ppm, or (3) a chloropicrin breathing zone sample is greater than or equal to 1.5 ppm, then all handler activities must cease and handlers must be removed from the application block.
 - i. Handlers can **resume** operations **without** wearing full-facepiece air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
 - Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.2 ppm, and
 - Handlers do not experience sensory irritation.
 - During the collection of air samples a full-facepiece air purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced, or where the sample(s) exceeded 5 ppm for iodomethane or where sample(s) were greater than or equal to 1.5 ppm for chloropicrin.

ii. Handlers can **resume** operations **with** full-facepiece air-purifying respirators if all of the following conditions exist:

- Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 1.5 ppm,
- Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than or equal to 5 ppm,
- Handlers do not experience sensory irritation, and
- Cartridges have been changed.
- During the collection of air samples, a full-facepiece air-purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced, or where the sample(s) exceeded 5 ppm for iodomethane or where sample(s) were greater than or equal to 1.5 ppm for chloropicrin.

For OPTION 2 (Operations ceased)

a. Handlers can **resume** operations if all of the following conditions exist:

- Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
- Two consecutive iodomethane breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.2 ppm, and
- Handlers do not experience sensory irritation.
- During the collection of air samples a full-facepiece air purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.

Tarp Perforation and/or Removal

IMPORTANT: Persons perforating, repairing, removing, and/or monitoring tarps are defined, within certain time limitations, as handlers (see handlers as stated in this labeling) and must be provided the PPE and other protections for handlers as required on this labeling and in the Worker Protection Standard for Agricultural Pesticides.

- Tarps must not be perforated until a minimum of 5 days (120 hours) have elapsed after the application is complete unless a weather condition exists which necessitates early tarp perforation, (see **Early Tarp Perforation during Flood Prevention Activities for Bedded Applications Only** requirements).
- Tarps that qualify for a buffer zone credit (see www.tarpcredits.epa.gov for the list of tarps) must not be perforated until a minimum of 10 days (240 hours) have elapsed after the application is complete, unless a weather condition exists which necessitates early perforation (See **Early Tarp Perforation during Flood Prevention Activities for Bedded Applications Only** requirements).
- If tarps are perforated within 14 days after the application is complete, tarp removal must not begin until at least 2 hours after tarp perforation is complete and 2 consecutive iodomethane breathing zone samples taken at least 15 minutes apart are less than 5 ppm. If the 2 consecutive iodomethane breathing zone samples indicate that iodomethane levels are:
 - Less than 0.2 ppm and no sensory irritation is experienced, no respiratory protection is required to begin tarp removal.

- o Between 0.2 ppm and 5 ppm, then an air-purifying respirator is required to begin tarp removal. See the Respiratory Protection and Stop Work Triggers and Personal Protective Equipment section for additional respiratory protection requirements.
- If tarps are perforated but not removed within 14 days after the application is complete, planting or transplanting must not begin until at least 48 hours after the tarp perforation is complete.
- If tarps are not perforated or removed within 14 days after the application is complete, planting or transplanting may take place while the tarps are being perforated.
- Tarps may be perforated manually ONLY for the following situations:
 - o At the beginning of each row when a coulter blade (or other device which performs similarly) is used on a motorized vehicle such as an ATV.
 - o In fields that are 1 acre or less.
 - o During flood prevention activities.
- In all other instances tarps must be perforated (cut, punched, poked, or sliced) only by mechanical methods.
- Early Tarp Perforation during Flood Prevention Activities for Bedded Applications Only:
 - o Tarp perforation is allowed before the 5 days (120 hours) or 10 days (240 hours) have elapsed.
 - o Tarps must be immediately retucked and packed after soil removal.

Entry Restricted Period and Notification

Entry Restricted Period

Entry into the application block (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and PPE-equipped handler who is performing a handling task listed on this labeling, is PROHIBITED from the start of the application until:

- 5 days (120 hours) after application is complete if tarps are not perforated and removed for at least 14 days after the application is complete or
- 48 hours after tarp perforation is complete if tarps will be perforated within 14 days after the application is complete and will not be removed for at least 14 days after the application is complete, or
- Tarp removal is completed if tarps are both perforated and removed less than 14 days after the application is complete.

NOTES:

- See *Tarp Perforation and/or Removal* section on this labeling for requirements about when tarps are allowed to be perforated.
- When listing application information for soil fumigant applications to comply with part 170.122 of the WPS, list the entry restricted period time frame in place of the REI.

Notification

Notify workers of the application by warning them orally and by posting Fumigant Treated Area signs. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane/Chloropicrin Fumigant In Use
- (4) Date and time of fumigation
- (5) Date and time entry restricted period is over
- (6) MIDAS EC GOLD, and
- (7) Name, address, and telephone number of the Certified Applicator in charge of the fumigation.

Post the Fumigant Treated Area sign instead of the WPS sign for this application but follow all WPS requirements pertaining to location, legibility, text size and sign size (40 CFR §170.120).

Post the Fumigant Treated Area signs at all entrances to the application block no sooner than 24 hours prior to application.

Fumigant Treated Area signs must remain posted for no less than the duration of the entry restricted period.

Fumigant Treated Area signs must be removed within 3 days after the end of the entry restricted period.

Mandatory Good Agricultural Practices (Gaps)

The following GAPs must be followed during all fumigant applications.

- MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.
- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.
- Hoses between any fumigant container and the flow meter or flow delivery device must be Teflon® hoses reinforced with stainless steel wire braid or its equivalent.
- External sight gauges, if applicable, shall be equipped with a valve so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.
- Check equipment to ensure good condition and integrity prior to each use.

Tarps (tarps are required for all MIDAS EC GOLD applications. Prior to application, cover the areas to be treated with a tarp).

- A written tarp plan must be developed and included in the FMP.
- Once a tarp is perforated, the application is no longer considered tarped.
- Tarp edges must be buried along the furrow and at the ends of rows.

Weather Conditions

- To determine if unfavorable weather conditions exist or are predicted (see **Identifying Unfavorable Weather Conditions** section) and whether an application should proceed, the National Weather Service weather forecast must be checked by the certified applicator supervising the application:
 - on the day of, but prior to the start of the application, and
 - on a daily basis during the application if the time period from the start of the application until the application is complete is greater than 24 hours.
- Do not apply if an air stagnation advisory issued by the National Weather Service is in effect for the area in which the application is planned, during the application, or the 48 hours after the application is complete.
- Do not apply if light wind conditions (< 2 mph) are forecast to persist for more than 18 consecutive hours from the time the application starts until 48 hours after the application is complete.
- Detailed National Weather Service forecasts for local weather conditions, wind speed, and air stagnation advisories may be obtained on-line at: <http://www.nws.noaa.gov>, on NOAA weather radio, or by contacting your local National Weather Service Forecasting Office.

Identifying Unfavorable Weather Conditions

- Unfavorable weather conditions block upward movement of air, which results in trapping fumigant vapors near the ground. The resulting air mass can move off-site in unpredictable directions. These conditions typically exist within an hour prior to sunset and continue past sunrise and may persist as late as noontime. Unfavorable conditions are common on nights with limited cloud cover and light to no wind and their presence can be indicated by ground fog or smog and can also be identified by smoke from a ground source that flattens out below a ceiling layer and moves laterally in a concentrated cloud.

Prior to All Applications:

- Ensure that application equipment does not contain components made of natural rubber, aluminum, magnesium or their alloys.
- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following All Applications:

- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. See fumigation table for planting requirements.
- When using tarps, planting must not occur for at least 10 days after the application is complete. See Table 1 for planting requirements.

- When using tarps that qualify for buffer zone credits, planting must not occur for at least 14 days after application is complete. See Table 1 for planting requirements.
- The certified applicator or WPS trained handlers under the supervision of and in communication with the certified applicator shall shut the system down and make necessary adjustments should the need arise.

Soil Temperature

- The soil temperature at the depth of 8 inches must not be less than 55° F or exceed 90° F at the beginning of the application.
- If air temperatures have been above 100° F in any of the three days prior to the start of the application, then soil temperature must be measured and recorded in the FMP. Record temperature measurements at the application depth.

Soil Moisture

- For all soil types, pre-application moisture should be dry enough to prevent soil saturation and bed collapse once application and flushing is complete.

Product and Dosage

- Plan the application by calculating the amount of MIDAS EC GOLD required at the appropriate rate for the crop, acreage and target pest. MIDAS EC GOLD must be metered into the water supply line and then passed through a mixing device, such as a centrifugal pump or static mixer, to assure proper agitation.
- Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately; cover the contaminated soil area with untreated soil to absorb the material; and tarp the contaminated area until 48 hours following the end of the application.
- Midas EC Gold must be metered into the water. One gallon of Midas EC Gold in 1810 gallons of water is equivalent to 1000 ppm. The dilution rate for drip-line fumigation is 1060 to 1515 ppm (1.06 to 1.52 gallons of Midas EC Gold diluted in water to a final volume of 1810 gallons).
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at the time of treatment.

System Controls and Integrity

- The irrigation system (main lines, headers, drip tape) must be thoroughly checked for leaks before the start of application. Leak detection requires that the irrigation system be at full operating pressure. The amount of time needed at full operating pressure will vary by irrigation system design. Look for puddling along major pipes (holes in pipes or leaky joints), at the top and ends of rows (leaky connection, open drip tape), and on the bed surface (damaged drip tape, malfunctioning emitters). Any leaks discovered during the pre-application check must be repaired prior to fumigant application.
- To inject MIDAS EC GOLD, use a metering system (such as a positive pressure system, positive displacement injection pump, diaphragm pump, or a Venturi system) effectively designed and constructed of materials that are compatible with the fumigant and capable of being fitted with system interlocking controls. Do not use containers pumps or other equipment made of aluminum, magnesium or their alloys as chloropicrin can be corrosive to such metals.
- The system must contain:

- A functional check valve, vacuum-relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination and backflow;
- A functional, automatic, quick-closing check valve to prevent the flow of fluids back toward the fumigant container;
- A functional, normally closed solenoid-operated valve located on the intake side of the injection point and connected to the system interlock to prevent the fumigant from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down;
- Functional interlocking controls to automatically shut off the fumigant injection when the irrigation water flow stops or decreases to the point where fumigant distribution is adversely affected;
- Drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must **NOT** be exposed to undiluted MIDAS EC GOLD or more than 1,515 ppm of MIDAS EC GOLD in the diluted form. **DO NOT** use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.

Site of Injection and Irrigation System Layout

- Site of injection must be as close as practical to the area being treated (such as direct injection of fumigant into the header pipe/manifold or into an above ground delivery pipe attached to the header). If the fumigant is injected into a main line, make sure the irrigation pipe is able to be cleared of all fumigant as the fumigant may pool in low sections of the pipe. Also make sure that valves on lateral lines of the main line are closed, if these lateral lines lead to areas not being fumigated at the time of the application.

System Flush

- After application of MIDAS EC GOLD, continue to drip-irrigate the area with water to flush the irrigation system. Do not allow MIDAS EC GOLD to remain in the irrigation system after the application is complete. The total volume of water, including the amount used for flushing the irrigation system, must be adequate to completely remove the fumigant from the lines, but should be less than the amount that could over-saturate the beds (bed collapse can occur from over-saturation). If common lines are used for both the fumigant application and water seal (if a water seal is applied), these lines must be adequately flushed before starting the water seal and/or normal irrigation practices.

Midas EC Gold Raised Bed Drip Application

TABLE 1. RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Treated Acre ¹	Time Between Application and Planting ²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	Standard Tarps 300 - 485 lbs/treated acre (19.8 - 32.2 gal/treated acre)	10 - 14 days
	Tarps that Qualify for Buffer Zone Credits³ 175 - 200 lbs/ treated acre (11.6 - 13.3 gal/treated acre)	14 - 21 days When using tarps that qualify for buffer zone credits

TABLE 1. RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Treated Acre ¹	Time Between Application and Planting ²
NOTE: ¹ For fields infested with nutsedge and Malva, apply a minimum of 450 lbs/treated acre (29.8 gal/treated acre) of MIDAS EC GOLD with standard tarp and 250 lbs/treated acre (16.6 gal/treated acre) with tarps that qualify for buffer zone credits. ² Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain. ³ Contact your Arysta LifeScience representative for rate reduction recommendations.		

Rotational Crops

Food/feed crops other than strawberry, tomatoes, and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Crop rotation to non-food crops or non-bearing fruit or nut trees is not restricted.

Calculating the Broadcast Equivalent Application Rate

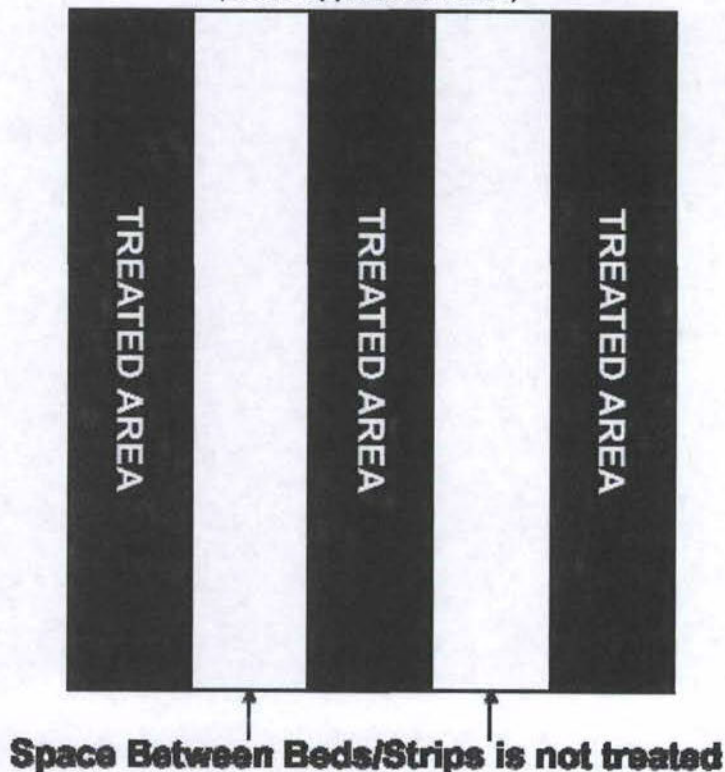
To calculate the broadcast equivalent rate for bedded or strip applications the following information is needed:

- pounds (or gallons) of product per treated acre
- strip or bed bottom width (inches)
- center-to-center row spacing (inches)
- application block size (acres)

Pounds (or gallons) of product **per treated acre** is the ratio of total amount of product applied to the size of the **total area treated** (e.g., the rate of product applied in the bed). For bedded or strip applications, the **total area treated** is the summation of the area (i.e., length x width) of each treated bed bottom or strip that is located within the application block as shown by the black areas in Figure 1 (e.g., black areas are 0.6A or 60% of the area within the application block). The area of the space between the beds/strips is not factored in the total area treated.

The **application block size** is the acreage within the perimeter of the fumigated portion of a field (including furrows, irrigation ditches, roadways). The perimeter of the application block is the border that connects the outermost edges of total area treated with the fumigant product.

Figure 1. Bedded/Strip Application
(1 acre application block)

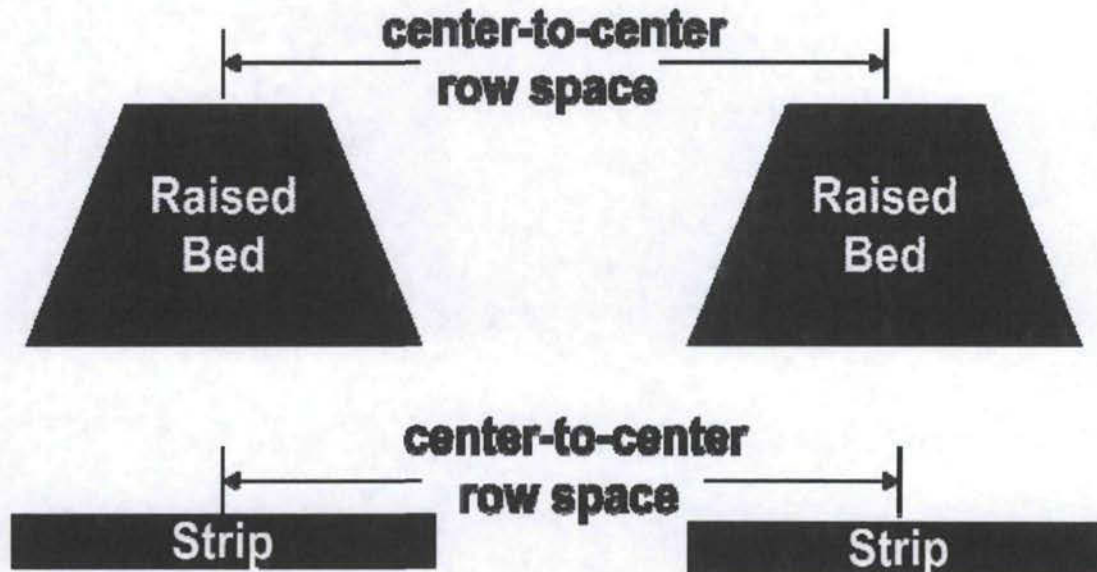


The "broadcast equivalent rate" must be calculated with the following formula:

$$\text{Broadcast equivalent rate} \begin{array}{l} \text{(pounds (or gallons)} \\ \text{product/acre)} \end{array} = \frac{\text{strip or bed bottom} \begin{array}{l} \text{width} \\ \text{(inches)} \end{array}}{\text{center-to-center row} \begin{array}{l} \text{spacing} \\ \text{(inches)} \end{array}} \times \begin{array}{l} \text{pounds (or} \\ \text{gallons) of} \\ \text{product/} \\ \text{treated acre} \\ \text{applied in the} \\ \text{strip or bed} \end{array}$$

- The bed width must be measured from the bottom of the bed.
- The center-to-center row spacing must be calculated as shown in Figure 2.
- If there are any ditches, waterways, drive rows and other areas that are not fumigated that are in the application block, multiply the above broadcast equivalent equation by **(total area of strips or beds + row spacing)/(application block size)**. A sample calculation is provided below.

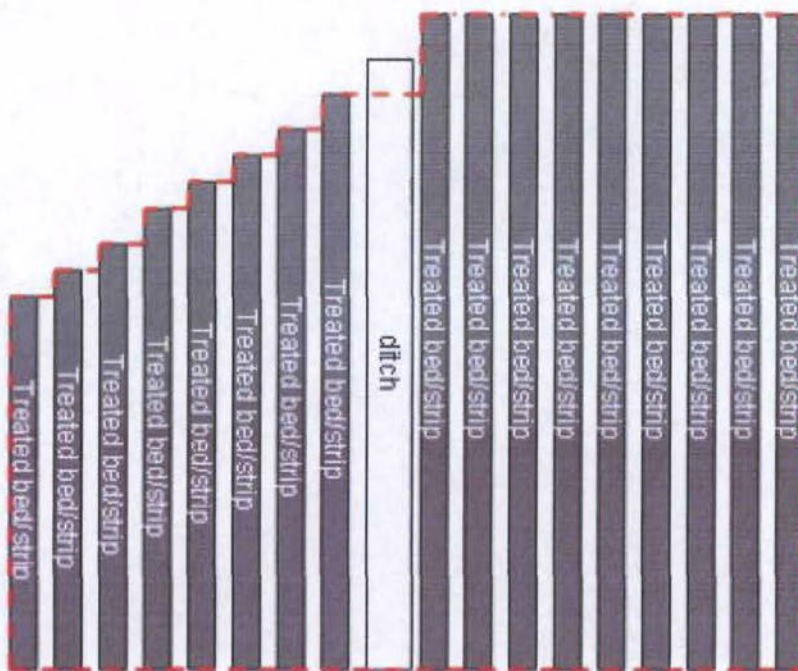
Figure 2. Center Row Spacing



Sample broadcast equivalent rate calculation

Assumptions:

- Application method is shank bedded
- Bed width is 30 inches (measured at the bottom of bed)
- Center-to-center row spacing is 60 inches
- 200 pounds of product per treated acre is applied in the beds
- Total application block size is 10 acres
- Ditch in the middle of application block is 0.25 acres
- Area of beds + row spacing is 9.75 acres



$$\begin{aligned}
 \text{broadcast equivalent rate (pounds product/acre)} &= \frac{\text{strip or bed bottom width (inches)}}{\text{center-to-center row spacing (inches)}} \times \frac{\text{area of strips or beds + row spacing}}{\text{application block size}} \times \text{pounds product/ treated acre applied in the bed} \\
 &= \frac{30 \text{ inch width beds}}{60 \text{ inch row spacing}} \times \frac{9.75 \text{ acres}}{10 \text{ acres}} \times 200 \text{ pounds product/ treated acre} \\
 &= 97.5 \text{ pounds product/acre}
 \end{aligned}$$

Buffer Zone Requirements

A buffer zone must be established for every fumigant application. The following describes the buffer zone requirements:

- The buffer zone must extend outward from the edge of the application block perimeter equally in all directions.
- Buffer zones for application blocks treated with iodomethane must not overlap during the buffer zone periods.
- All non-handlers, including field workers, residents, pedestrians, and other bystanders, must be excluded from the buffer zone during the buffer zone period except for transit (see *Buffer Zone Exemption for Transit on Roadways*).
 - Local, state, or federal officials performing inspection, sampling, or other similar official duties are not excluded from the application block or the buffer zone by this labeling. The certified applicator supervising the application and the owner of the establishment where the application is taking place are not authorized to, or responsible for, excluding those officials from the application block or the buffer zone.
- The buffer zone period begins at the start of the application and lasts for a minimum of 48-hours after the application is complete.

Structures under the control of the owner of the application block

- Buffer zones must not include buildings used for storage, (e.g., sheds, barns, garages) UNLESS:
 - The storage buildings are not occupied during the buffer zone period, and
 - The storage buildings do not share a common wall with an occupied structure.

Areas not under the control of the owner of the application block

- Buffer zones must not include residential areas (e.g., employee housing, private property), buildings (e.g., commercial, industrial), outdoor residential areas (e.g., lawns, gardens, play areas) and other areas that people may occupy, UNLESS:
 1. The occupants provide written agreement, prior to the start of the application, that they will voluntarily vacate the buffer zone during the entire buffer zone period, and
 2. Reentry by occupants and other non-handlers must not occur until,
 - The buffer zone period has ended, and
 - Sensory irritation is not experienced upon re-entry.
- Buffer zones must not include agricultural areas owned and/or operated by persons other than the owner of the application block, UNLESS:
 1. The owner of the application block can ensure that the buffer zone will not overlap with an iodomethane buffer zone from any other property owners, and
 2. The owner of the other property provides written agreement to the applicator that they, their employees, and other persons will stay out of the buffer zone during the entire buffer zone period.
- Buffer zones must not include roadways and rights of way UNLESS:
 1. The area is not occupied during the buffer zone period, and
 2. Entry by non-handlers is prohibited during the buffer zone period.

Buffer Zone Exemption for Transit on Roadways

Vehicular and bicycle traffic on public and private roadways through the buffer zone is permitted. (NOTE: Buffer zones are not permitted to include bus stops or other locations where persons wait for public transit.)

- For all other publicly owned and/or operated areas such as parks, sidewalks, permanent walking paths, playgrounds, and athletic fields, buffer zones must not include these areas UNLESS:
 1. The area is not occupied during the buffer zone period,
 2. Entry by non-handlers is prohibited during the buffer zone period, and
 3. Written permission to include the public area in the buffer zone is granted by the appropriate state and/or local authorities responsible for management and operation of the area.

Certified applicators must comply with all local laws and regulations.

See the *Posting* section for additional requirements that may apply.

Buffer Zone Distances

Buffer zone distances must be calculated using the application rate and the size of the application block.

- Buffer zone distances must be based on the look-up table in this labeling (25 feet is the minimum distance regardless of site-specific application parameters).
- Use Table 2 to determine the minimum buffer distances. Round up to the nearest rate or block size where applicable. Applications are prohibited for rates or block sizes that exceed what is presented in the buffer zone tables.

Table 2. Midas EC Gold Bed Application Buffer Zone Distances in Feet								
Midas EC Gold Bed Application Broadcast Equivalent Rate (lbs product/acre)	Application Block Size (acres)							
	Up to 5 acres	6-10 acres	11-15 acres	16-20 acres	21-25 acres	26-30 acres	31-35 acres	36-40 acres
100	30	30	45	60	70	80	90	95
150	30	30	60	85	100	115	130	145
175	30	35	65	100	120	135	150	165
200	30	40	80	115	135	155	175	190
250	30	75	110	140	165	190	215	235
300	35	93	136	170	200	230	260	285
350	40	110	161	200	235	265	300	330
360	45	113	165	205	240	275	310	340
400	50	125	185	225	265	305	345	380
440	55	135	200	250	290	335	380	420

Buffer Zone Credits

The buffer zone distances for Midas EC Gold applications may be reduced by the percentages listed below. Credits may be added, but credits cannot exceed 80%. Also the minimum buffer zone distance is 25 feet regardless of buffer zone credits available.

- See www.tarpcredits.epa.gov for a list of tarps that have been tested and determined to qualify for buffer reduction credits. Only tarps listed on this website qualify for buffer reduction credits.
- 10% reduction in buffer zone distance, IF the organic content of the soil in the application block is $\geq 1\%$ - 2% ; a 20% reduction in buffer zone distance, IF the organic content of the soil in the application block is $>2\%$ - 3% ; and a 30% reduction in the buffer zone distance, IF the organic content of the soil in the application block is $>3\%$.
- 10% reduction in the buffer zone distance, IF the clay content of the soil in the application block is greater than 27%.

Examples of Buffer Zone Calculations with Credits Applied

If the buffer zone is 50 feet and the application qualifies for a buffer zone credit since the soil organic content is 1.5%, then the buffer zone can be reduced by 10%, i.e., reduced by 5 feet based on the following calculation: $50 \text{ feet} - (50 \text{ feet} \times 10\%) = 45 \text{ feet}$.

If the buffer zone is 50 feet and the application qualifies for two buffer zone credits since the soil organic content is 1.5% and the clay content is greater than 27%, then the buffer zone can be reduced by 20% (10% organic content credit + 10% clay content credit), i.e., reduced by 10 feet based on the following calculation $50 \text{ feet} - (50 \text{ feet} \times 20\%) = 40 \text{ feet}$.

Posting Fumigant Buffer Zones

- Posting of a **buffer zone** is required unless there is a physical barrier that prevents bystander access to the buffer zone.
- Buffer Zone signs must be placed along or outside the perimeter of the buffer zone, at all usual points of entry and along likely routes of approach from areas where people not under the owner's control may approach the buffer zone.
 - Some examples of points of entry include, but are not limited to, roadways, sidewalks, paths, and bike trails.
 - Some examples of likely routes of approach include, but are not limited to, the area between a buffer zone and a roadway, or the area between a buffer zone and a housing development.
 - When posting, the certified applicator supervising the application must ensure compliance with all local laws and regulations.
- Buffer Zone signs must meet the following criteria:
 - The printed side of the sign must face away from the application block toward areas from which people could approach.

- Signs must remain legible during the entire posting period and must meet the general standards outlined in the WPS for sign size, text size, and legibility (see 40 CFR §170.120).
- Signs must be posted no sooner than 24 hours prior to the start of the application and remain posted until the buffer zone period has expired.
- Signs must be removed within 3 days after the end of the buffer zone period.
- Buffer Zone signs which meet the criteria above will be provided at points of sale for applicators to use. Templates may be downloaded from http://www.epa.gov/pesticides/reregistration/soil_fumigants/index.htm
- The Buffer Zone signs must contain the following information:
 - The 'Do Not Walk' symbol
 - DO NOT ENTER/NO ENTRE,
 - Iodomethane/Chloropicrin Midas EC Gold Fumigant BUFFER ZONE,
 - Contact information for the certified applicator in charge of the fumigation.

Exception: If multiple contiguous blocks are fumigated within a 14-day period, the entire periphery of the contiguous blocks' buffer zones **may** be posted. Buffer Zone signs must be posted no sooner than 24-hours prior to the start of the first application. The signs must remain posted until the last buffer zone period expires and signs must be removed within 3 days after the buffer zone period for the last block has expired.

RESTRICTIONS FOR DIFFICULT TO EVACUATE SITES

Difficult to evacuate sites are pre-K to grade 12 schools, state licensed daycare centers, nursing homes, assisted living facilities, hospitals, in-patient clinics, and prisons.

- No fumigant application is permitted within ¼ mile (1320 feet) of difficult to evacuate sites unless the site is not occupied by children from state-licensed day care centers, students (pre-K to grade 12), patients, or prisoners during the application and the 48-hour period following the end of the application.

Emergency Preparedness and Response Measures

If the buffer zone is 25 feet, then the *Emergency Preparedness and Response Measures* are not applicable.

Triggers for Emergency Preparedness and Response Measures:

The certified applicator must either follow the directions under the *Fumigant Site Monitoring* section or follow the directions under the *Response Information for Neighbors* section if:

- the buffer zone is greater than **25 feet** but less than or equal to **100 feet**, and there are residences or businesses within **50 feet** from the outer edge of the buffer zone, or
- the buffer zone is greater than **100 feet** but less than or equal to **200 feet**, and there are residences or businesses within **100 feet** from the outer edge of the buffer zone, or

- the buffer zone is greater than **200 feet** but less than or equal to **300 feet**, and there are residences or businesses within **200 feet** from the outer edge of the buffer zone, or
- the buffer zone is greater than **300 feet**, and there are residences or businesses within **300 feet** from the outer edge of the buffer zone.

Fumigant Site Monitoring

NOTE: *Fumigant Site Monitoring* is ONLY required if the *Emergency Preparedness and Response Measures* are triggered AND directions from the *Response Information for Neighbors* section are not followed.

From the start of the application until the buffer zone period expires, a certified applicator or handler(s) under his/her supervision must:

- Monitor for sensory irritation in areas between the buffer zone outer perimeter and residences and businesses that trigger this requirement.
- Monitoring for sensory irritation must begin in the evening on the day of application and continue until the buffer zone period expires. Monitor a minimum of 8 times during the buffer zone period, including these periods:
 - 1 hour before sunset,
 - during the night,
 - 1 hour after sunrise, and
 - during daylight hours.

Implement the emergency response plan immediately if a handler monitoring experiences sensory irritation.

Response Information for Neighbors

NOTE: *Response Information for Neighbors* is ONLY required if the *Emergency Preparedness and Response Measures* are triggered AND directions from the *Fumigant Site Monitoring* are not followed. The certified applicator supervising the application must ensure that residences and businesses that trigger the requirement have been provided the response information at least **1 week** before the application starts. The information provided may include application dates that range for no more than **4 weeks**. If the application does not occur when specified, the information must be delivered again.

- Information that must be included:
 - The location of the application block.
 - Fumigant(s) applied including the active ingredient, name of the fumigant product(s), and the EPA Registration number.
 - Contact information for the applicator and property owner.
 - Time period in which the application is planned to take place (must not range more than 4 weeks).

- Early signs and symptoms of exposure to the fumigant(s) applied, what to do, and who to call if you believe you are being exposed (911 in most cases).
- How to find additional information about fumigants.

The method used to share the response information for neighbors can be accomplished through mailings, door hangers, or other methods that will effectively inform the residences and businesses within the required distance from the edge of the buffer zone.

Notice to State and Tribal Lead Agencies

If your state and/or tribal lead agency requires notice, information must be provided to the appropriate state or tribal lead agency prior to the application. Please refer to www.epa.gov/fumigantstatenotice for a list of states and tribal lead agencies that require notice and information on how to submit the information.

The information that must be provided to state and tribal lead agencies includes the following:

- Location of the application blocks,
- Fumigant(s) applied including EPA registration number,
- Applicator and property owner contact information, and
- Time period that fumigation may occur.

Emergency Response Plan

The certified applicator must include in the FMP a written emergency response plan that identifies:

- Evacuation routes,
- Locations of telephones,
- Contact information for first responders and local/state/federal/tribal personnel, and
- Emergency procedures/responsibilities (e.g., adding water to the field, repairing tarps, fixing equipment, evacuating upwind) if:
 - there is an incident,
 - sensory irritation is experienced outside of the buffer zone, and/or
 - there are equipment/tarp/seal failure or complaints, or other emergencies.

Site-Specific Fumigation Management Plan (FMP)

Prior to the start of application, the certified applicator supervising the application must verify that a site-specific FMP exists for each application block. In addition, an agricultural operation fumigating multiple application blocks may format the FMP in a manner whereby all of the information that is common to all the application blocks is captured once, and any information unique to a particular application block or blocks is captured in subsequent sections.

The FMP must be prepared by the certified applicator, the site owner, registrant, or other party.

The certified applicator supervising the application must verify in writing (sign and date) that the site-specific FMP(s) reflects current site conditions before the start of application.

Each site-specific FMP must contain the following elements:

- Certified Applicator Supervising the Application
 - Name,
 - Phone number,
 - Pesticide applicator license and/or certificate number,
 - Specify if commercial or private applicator,
 - Employer name,
 - Employer address, and
 - Date and location of completing EPA approved soil fumigant training program.
- General site information
 - Application block location (e.g., county, township-range-section quadrant), address, or global positioning system (GPS) coordinates
 - Name, address, and phone number of application block owner
 - Map, aerial photo, or detailed sketch showing:
 - application block location
 - application block dimensions
 - buffer zone dimensions
 - property lines
 - roadways
 - rights-of-ways
 - sidewalks
 - permanent walking paths
 - bus stops
 - nearby application blocks
 - surrounding structures (occupied and non-occupied)
 - locations of Buffer Zone signs, and
 - locations of difficult to evacuate sites with distances from the application block labeled.
- General application information
 - Target application date/window,
 - Fumigant Product Name, and
 - EPA registration number.
- Tarp Plan
 - Schedule for checking tarps for damage, tears, and other problems,
 - Minimum size of damage that will be repaired,
 - Factors used to determine when tarp repair will be conducted,
 - Equipment/methods used to perforate tarps,
 - Target dates for perforating tarps, and
 - Target dates for removing tarps.

- Soil conditions
 - Description of soil texture and moisture in application block,
 - Method used to determine soil moisture, and
 - Soil temperature measurement if air temperatures were above 100° F in any of the 3 days prior to the application.
- Buffer zones
 - Application method,
 - Injection depth,
 - Application rate from lookup table on label,
 - Application block size from lookup table on label,
 - Credits applied and measurements taken (if applicable),
 - Tarp brand name, lot number, thickness, manufacturer, batch number, and part number
 - Organic matter content
 - Clay content
 - Buffer zone distance, and
 - Description of areas in the buffer zone that are not under the control of the owner of the application block. If buffer zones extend onto areas not under the control of the owner, attach the written agreement and keep it with the FMP.
- Record Emergency Response Plan as described in the *Emergency Response Plan* section.
- Posting of Fumigant Treated Area and Buffer Zone
 - Person(s) who will post and remove (if different) Fumigant Treated Area and Buffer Zone signs, and
 - Location of Buffer Zone signs.
- Emergency Preparedness and Response Measures (if applicable)
 - Fumigant site monitoring (if applicable):
 - When and where it will be conducted
 - Response information for neighbors (if applicable):
 - List of residences and businesses informed,
 - Name and phone number of person providing information, and
 - Method of providing the information.
- State and/or tribal lead agency advance notification (if state and/or tribal lead agency requires notice, provide a list of contacts that were notified and date notified)
- Plan describing how communication will take place between the certified applicator supervising the application, the owner, and other on-site handlers (e.g., tarp perforators/removers, irrigators) for complying with label requirements (e.g., buffer zone location, buffer zone start and end times, timing of tarp perforation and removal, PPE).
 - Name and phone number of persons contacted by the certified applicator, and
 - Date contacted.
- Handler (including Certified Applicators) Information and PPE
 - Names, addresses and phone numbers of handlers
 - Names, addresses, and phone numbers for employers of handlers
 - Tasks that each handler is authorized and trained to perform

- Date of PPE training for each handler
- Applicable handler PPE including:
 - Long-sleeved shirts/long pants, shoes, socks
 - Chemical-resistant apron
 - Chemical-resistant footwear
 - Protective eyewear (not goggles)
 - Chemical-resistant gloves
 - Air-purifying respirators
 - Respirator make, model, type, style, size, and cartridge type
 - SCBAs
 - Respirator make, model, type, style, size
 - Other PPE
- For handlers: Confirmation of receipt of Fumigant Safe Handling Information.
- For certified applicator(s) supervising the application: Completion date and location of the soil fumigant training program listed on the following EPA website www.epa.gov/fumiganttraining for the active ingredient(s) in this product.
- For handlers designated to wear respirators (air-purifying respirator or SCBA):
 - date of medical qualification to wear a respirator,
 - date of respirator training, and
 - date of fit-testing for the respirator.
- Unless exempted in the *Protection of Handlers* section, verify that:
 - at minimum 2 handlers have the appropriate respirators and cartridges during handler activities, and
 - the employer has confirmed that the appropriate respirator and cartridges are immediately available for each handler who will wear one.
- Air monitoring plan
 - If sensory irritation is experienced, indicate whether operations will cease or operations will continue with use of an air-purifying respirator.
 - For monitoring the breathing zone:
 - Representative handler tasks to be monitored,
 - Monitoring equipment to be used, and
 - Timing of the monitoring.
 - For monitoring after tarp perforation is complete and before tarp removal begins, indicate:
 - Monitoring equipment to be used, and
 - Timing of monitoring.
- Good Agricultural Practices (GAPs)
 - Identify (e.g., list, attach applicable label section) applicable mandatory GAPs.
- Pesticide Product Labels and Material Safety Data Sheets (MSDS)
 - Ensure that labels and MSDS are on-site and readily available for employees to review.

Record-Keeping Procedures

The owner of the application block as well as the certified applicator supervising the application must keep a signed copy of the site-specific FMP for 2 years from the date of application.

For situations where an initial FMP is developed and certain elements do not change for multiple application blocks (e.g., applicator information, certified applicator, handlers, record-keeping procedures, emergency procedures) only elements that have changed need to be updated in the site-specific FMP provided the following:

- The certified applicator supervising the application has verified that those elements are current and applicable to the application block before it is fumigated.
- Record-keeping requirements are followed for the entire FMP (including elements that do not change).

The certified applicator must make a copy of the FMP immediately available for viewing by handlers involved in the application. The certified applicator or the owner of the application block must provide a copy of the FMP to any local/state/federal/tribal enforcement personnel who request the FMP. In the case of an emergency, the FMP must be made immediately available when requested by local/state/federal/tribal emergency response and enforcement personnel. The certified applicator supervising the application must ensure the FMP is at the application block during all handler activities.

Within 30 days after the application is complete, the certified applicator supervising the application must complete a Post-Application Summary.

Post-Application Summary

The Post-Application Summary must contain the following elements:

- Actual date and time of the application
- Application rate
- Size of application block
- Weather Conditions
 - Summary of the National Weather Service weather forecast during the application and the 48-hours after the application is complete including:
 - wind speed, and
 - air stagnation advisory (if applicable).
 - Forecast must be checked on the day of, but prior to the start of the application, and on a daily basis during the application if the time period from the start of the application until the application is complete is greater than 24 hours.
- Tarp damage and repair information (if applicable):
 - Date of tarp damage discovery,
 - Location and size of tarp damage,
 - Description of tarp/tarp seal/tarp equipment failure, and
 - Date and time of tarp repair completion.
- Tarp perforation/removal details (if applicable):

- Date and time tarps were perforated,
- Date and time tarps were removed, and
- Record if tarps were perforated and/or removed early. Describe the conditions that caused early tarp perforation and/or removal.
- Complaint details (if applicable):
 - Person filing complaint (e.g., on-site handler, person off-site),
 - If off-site person, name, address, and phone number of person filing complaint, and
 - Description of control measures or emergency procedures followed after complaint.
- Description of incidents, equipment failure, or other emergency and emergency procedures followed (if applicable).
- Air monitoring results:
 - When sensory irritation was experienced:
 - Date, time, location, and handler task/activity where irritation was observed and
 - Resulting action (e.g., implement emergency response plan, cease operations, continue operations with appropriate air-purifying respirators).
 - When using a direct read detection device:
 - Sample date(s), time(s), location(s), and concentration(s),
 - Handler task/activity monitored (if applicable), and
 - Resulting action (e.g., cease operations, continue operations with appropriate air-purifying respirators).
- Drip application monitoring
 - Record monitoring date(s) and time(s)
 - Name of person(s) monitoring
 - Record observations:
 - Is the equipment functioning properly,
 - Description of corrective action (if applicable), and
 - Other comments.
- Fumigant Treated Area and Buffer Zone Signs:
 - Dates of posting and removal.
- Any deviations from the FMP (e.g., changes in emergency response actions, changes in handler information, changes in handlers responsible for completing emergency tasks, changes in communication between certified applicator, owner, and other handlers).

Record-Keeping Procedures

The owner of the application block, as well as the certified applicator supervising the application, must keep a signed copy of the Post-Application Summary for 2 years from the date of application.

Spill and Leak Procedures

- For entry into the affected area to correct problems, wear the personal protective equipment specified in the Personal Protective Equipment (PPE) section of this labeling.
- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate area of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.

- Only correctly trained and PPE-equipped handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.15 ppm and the concentration of iodomethane is measured to be less than 0.2 ppm.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Dispose of contaminated material on site or at an approved disposal facility. Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.9 gallons of product) to the National Response Center at 1-800-424-8802.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Container Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not subject cylinders to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured. Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Disposal

Return of Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:

Call CHEMTREC at 1-800-424-9300

WARRANTY AND DISCLAIMER STATEMENT

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent applicable by law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MIDAS® and the Midas logo are registered trademarks of Arysta LifeScience North America, LLC

Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience, LLC

MIDAS EC GOLD (MASTER) FOR SALE AND USE IN ALL STATES OTHER THAN CALIFORNIA
01/06/12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 10, 2011

Mr. Rodney Akers, Ph.D.
Regulatory Manager
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

Subject: Minor Formulation Amendment

Dear Dr. Akers:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 6/24/11 for **EPA Registration 66330-60**. The Registration Division (RD) has conducted a review of three Confidential Statements of Formula (CSF) submitted with this request for its applicability under PRN 98-10 and finds that the change(s) requested does not clearly fall within the scope of the PRN and will require additional administrative review of the related file.

Based on the compositional information in the Agency's proprietary inert mixture database, there are one or more inert ingredients in the **surfactant** for which data protection rights have been asserted and for which the Agency must ensure such rights are protected in the pesticide registration process. In order for the Agency to make a determination as to the acceptability of this proprietary mixture for use as an inert ingredient in food use pesticide formulations, further documentation is required from the manufacturer. The product manufacturer can get specific information on the chemicals in question and the documentation required determining acceptability for data compensation by contacting the Inert Ingredient Assessment Branch at InertsBranch@epamail.epa.gov

Therefore, revised Basic and new Alternate 1 and 2 CSFs dated 6/23/2011 are not acceptable until the issue is resolved. Therefore, this action is denied and will be further processed as an amendment. Our records have been updated accordingly. The Confidential Statements of Formula (CSF) with the application are considered proposed drafts and has been forwarded to Product Manager # 21, Mary Waller for further processing.

If you have any questions, please contact me via telephone at 703-308-8353 or e-mail (debesai.alganesh@epa.gov).

Sincerely,

Alganesh Debesai

Alganesh Debesai
Inert Assessment Branch (IIAB)
Registration Division (7505P)
Office of Pesticide Programs



Arysta LifeScience

D-451079

Due Date August
Aug 11 2011

VIA FEDEX

June 24, 2011

Minor Formulation Amendment Coordinator
Registration Support Branch
Document Processing Desk (MINOR)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Midas EC Gold (EPA Reg. No. 66330-60) - Minor Formulation Amendment per PR Notice 98-10

Please find enclosed Arysta LifeScience North America, LLC's application to amend the Confidential Statement of Formula for Midas EC Gold, **EPA Reg. No. 66330-60**. The following enclosures and attachments are included in this amendment:

- Application for Registration Amendment (EPA Form 8570-1)
- Basic Confidential Statement of Formula – one copy dated June 23, 2011 (EPA Form 8570-4)
- Proposed Alternate Confidential Statement of Formulae – two copies dated June 23, 2011 (EPA Form 8570-4)
- Material Safety Data Sheet and supporting information from [REDACTED]

[REDACTED] We are proposing this surfactant/emulsifier to replace our current surfactant [REDACTED]

Please contact me at (919)678-4922 if you should have any questions concerning this action. Thank you in advance for your time and effort toward the approval of this alternate CSF.

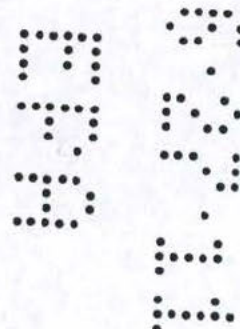
Sincerely

Rodney Akers

Rodney Akers, Ph.D.
Regulatory Manager

Tel: 919-678-4922

E-mail: rodney.akers@arystalifescience.com



**EPA**

United States
Environmental Protection Agency
 Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other:**

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Arysta LifeScience North America, LLC/ 66330	2. EPA Product Manager Mary Waller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Midas EC Gold/66330-60	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America Corporation 15401 Weston Parkway, Suite 150 Cary, NC 27513 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input checked="" type="checkbox"/> Amendment – Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

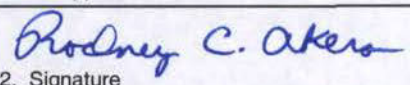
Minor Formulation Amendment per PR Notice 98-10:
 I.e., substitution(s) of inert(s) not changing nominal concentration of active ingredient, not invalidating product specific data; components in question are listed on EPA Lists 3 and 4; changes are for same purpose, and not changing the product acute toxicity category or physical and chemical characteristics. No label changes are needed to accommodate this amendment.

Contact: rodney.akers@arystalifescience.com

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		<input type="checkbox"/> Plastic	
*Certification must be submitted				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 gal., 2.5 gal., 5 gal., 30 gal., and bulk		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____			
		<input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)					
Name Rodney C. Akers, PhD		Title Regulatory Manager		Telephone No. (Include Area Code): 919-678-4879	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.				6. Date Application Received (Stamped)	
2. Signature 		3. Title Regulatory Manager		
4. Typed Name Rodney C, Akers, PhD		5. Date June 24, 2011		

Material to be added to an e-Jacket/Jacket

Reg. No. 66330-60

Description: Label Revisions

1. ☒ Placement within the e-Jacket/jacket:

- ☐ Default: (chronological, top = newest)
- ☐ File Location: (PDF page number, i.e., "before page 45")

2. ☒ Send to Data Extraction contractors this material:

- ☐ Newly stamped accepted label
- ☐ Notification
- ☐ New CSF
- ☐ Other: _____

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's Name: Jan Jones

Phone: 305-7651 Division: 7B

Date: 9-21-2010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Rodney Akers
Arysta LifeScience North America
15401 Weston Parkway, Suite 150
Cary, NC 27513

AUG 24 2010

Subject: Midas EC Gold
EPA Reg. No. 66330-60
Agency Initiated Action

Dear Dr. Akers:

In the Agency letter of June 8, 2010, the Agency approved amended labeling for this registration with the condition that specific label revisions be made to the June 8, 2010 label stamped "Accepted with Comments". The Agency letter of July 6, 2010 required an additional revision to the June 8, 2010 label. This letter further amends the June 8, 2010 label stamped "Accepted with Comments" by requiring the following additional change:

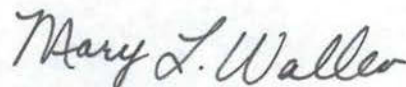
For both the Florida Only label and the States Other than Florida label, on page 6 under number 1, revise the sixth bullet to read, "Handlers can remove full-face air-purifying respirators or resume work activities if the following conditions exist provided that a half-face air-purifying respirator is worn:

- Two consecutive breathing zone samples for chloropicrin taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
- Handlers do not experience sensory irritation, and
- Air-purifying respirator cartridges have been changed.
- During the collection of air samples a full-face air-purifying respirator must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation is first experienced."

The labels associated with this change have been previously stamped "Accepted with Comments" and are dated June 8, 2010. Submit one copy of the final printed labels that incorporates the required change before the product is released for shipment. If you have any

questions, please contact Andrea Carone by phone at (703) 308-0122 or via email at carone.andrea@epa.gov or Mary Waller by phone at (703) 308-9354 or via email at waller.mary@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7504P)

Material to be added to an e-Jacket/Jacket

Reg. No. 66330-60

Description: Label Amendment Label stamped 11-2-09

1. ☐ Placement within the e-Jacket/jacket:

- ☐ Default: (chronological, top = newest)
 - ☐ File Location: (PDF page number, i.e., "before page 45")
-
-

2. ☒ Send to Data Extraction contractors this material:

- ☒ Newly stamped accepted label
- ☐ Notification
- ☐ New CSF
- ☐ Other: _____

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's Name: Lamue Gibson

Phone: 305-9096 Division: RD

Date: _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Alex Hawkins, Jr., Ph.D
Regulatory Manager
Aryta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

SEP 01 2009

Dear Mr. Hawkins,

Subject: Iodomethane Risk Mitigation Requirements

As a condition of registration for all products containing iodomethane, you are required to satisfy any additional risk mitigation required for the older soil fumigants and required to amend your labels in the same timeframe imposed on the other soil fumigant registrants. In the Agency correspondence letters dated August 18th and August 27th, all soil fumigant registrants were informed of the 2010 label mitigation requirements. Your company is in receipt of the letters and label table that were sent to the chloropicrin registrants since your products also contain this active ingredient. Please submit these labels according to the guidance provided by Richard Keigwin's August 18, 2009 and August 27, 2009 letters.

Sincerely,

Mary L. Waller
Product Manager (21)
Fungicide Branch,
Registration Division (7505P)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

W. A. Hawkins, Jr. Ph.D.
Arysta LifeScience NO America
15401 Weston Parkway
Suite 150
Cary, NC 27513

2. Article Number

(Use from service label)

7008 3330 0000 9481 9732

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

Don R. W.

C. Date of Delivery

Does delivery address differ from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

UNITED STATES POSTAL SERVICE



First-Class Mail[®]
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Mary Waller
EPA
1200 - Penna. ave. N.W.
Washington, D.C. 20460

75048

66530-60



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

November 2, 2009

W.A. Hawkins, Jr., Ph.D.
Regulatory Manager
Arysta LifeScience, North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

Subject: Midas EC Gold
EPA Reg. No. 66330-60
Your amendment dated June 16, 2009
Decision No. 416499

Dear Dr. Hawkins:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended is acceptable provided the following changes are made:

"Florida Only" and "States Other than Florida" Labels

1. On page 2 under Personal Protective Equipment, revise the sentence "Applicators and other handlers to include. . ." to read "Applicators and other handlers to include (tarp monitors and drip applicators) present on the application site or within the buffer. . ."
2. Move the Agricultural Use Requirements box which currently appears on page 7 to page 4 so that it precedes the Buffer Zone section.
3. On page 7 in the next to last bullet, revise "4ppm" to read "4 ppm".
4. On page 10 in the table, revise the fourth footnote to read "Contact your Arysta LifeScience representative for approved films and rate reduction recommendations."
5. On page 12, revise the rotational crop statement to read "Food crops other than strawberry, tomatoes, and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Crop rotation to non-food crops or non-bearing fruit or nut trees is not restricted."

Page 2
EPA Reg. No. 66330-60

One copy of the label stamped "Accepted with comments" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, you may reach me at (703) 308-9354 or via email at waller.mary@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller
Product Manager 21
Fungicide Branch
Registration Division (7505P)

Enclosure

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MIDAS® EC GOLD AD10-12-07
FL ONLY DRAFT CLEAN Page 1 of 13

NOV 02 2009
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is restricted to use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.
66330-60

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

MIDAS® EC GOLD

FOR SALE AND USE IN FLORIDA ONLY

Only For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane.....32.93%
Chloropicrin61.69%
OTHER INGREDIENTS:5.38%
TOTAL:.....100.00%

One gallon weighs 15.1 pounds (5 pounds Iodomethane and 9.31 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything to an unconscious person.
HOT LINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 or 1-651-632-8946	
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.	

EPA Reg. No. 66330-60
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents: _____ LBS

Manufactured for:
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SPECIAL NOTE: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading colorimetric detector devices, such as Kitagawa tubes, certified for chloropicrin at 0.1 to 16 ppm. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the PERSONAL PROTECTIVE EQUIPMENT and AGRICULTURAL USE REQUIREMENTS sections below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers to include (tarp monitors and drip applicators) present on the application site and within the buffer zone (see exception for transient travel under heading "Buffer Zone") must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C).
- Full face shield or safety glasses with brow, temple and side protection if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4 ppm, then see below.

- A full face respirator of one of the following types **if the air concentration of chloropicrin exceeds 4 PPM**: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

Other handlers (to include drip line tenders, planters, hole punchers, tarp cutters, tarp removers, and tarp remover drivers) present on the application site from the start of the application until 14 days following the end of the application; and within the buffer zone from the start of the application until 48 hours following the end of the application (see exception for transient travel under heading "Buffer Zone") **must wear**:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- Full face shield or safety glasses with brow, temple and side protection. **DO NOT** wear goggles, except where otherwise required by this label.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.
- Hoses between any fumigant container and the flow meter or flow delivery device must be Teflon® hoses reinforced with stainless steel wire braid or its equivalent.
- External sight gauges, if applicable, shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.
- Check equipment to ensure good condition and integrity prior to each use.

User Safety Requirements

- Do not wear jewelry, gloves, goggles (except where otherwise required by this label), tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.
- Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met consistent with the Worker Protection Standard: (a) Cartridges or canisters must be replaced when odor or irritation from this product becomes apparent, or after 8 hours of use, whichever is sooner; (b) Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (c) Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (d) Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
- Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Iodomethane has certain properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only Certified Applicators (certified by the state and trained by Arysta) in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handlers under their direct supervision may be present in the treatment area during application. An Arysta trained and state Certified Applicator must be on site and within the line of sight to observe handlers during the application. Handling tasks to be performed under the direct supervision of a Certified Applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such handlers must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Buffer Zone

The area adjacent to the treated area is referred to as the buffer zone. The buffer zone shall extend from the edge of the treated area in all directions, See Buffer Zone Table. The minimum buffer zone distance shall be 25 feet.

The Certified Applicator supervising the soil fumigation is responsible for the following:

1. Calculating the appropriate size of the buffer zone that must be maintained from the start of the application until 48 hours following the end of the application;
2. Establishing and maintaining the buffer zone from the start of the application until 48 hours following the end of the application. Buffer zones must be on the property under the control of the Certified Applicator and must not include property that is not under the control of the Certified Applicator unless written permission is obtained prior to fumigation, including signature, from responsible parties from all properties that will be included or partially included in the buffer zone. Buffer zones shall not extend onto public roads or areas, or onto any other land for which written

consent is not attainable. The Certified Applicator must use an appropriate means to manage and maintain the buffer zone such as posting fumigant warning signs around the perimeter of the buffer zone at potential points of entry, using trained workers to patrol the buffer zone, or other equivalent means. If fumigant warning signs are used, they must be posted from the start of the application until 48 hours following the end of the application and they must include the same warning symbol and statements required for notification warning signs under AGRICULTURAL USE REQUIREMENTS with the exception that signs will indicate "Fumigant Buffer Zone" at the top of the sign and will delete the statement "areas under fumigation". If "Fumigant Buffer Zone" signs are used, the signs must be removed within 3 days of the end of the buffer zone period.

3. Ensuring that unprotected workers and bystanders do not enter the buffer zone from the start of the application until 48 hours following the end of the application. Exception: Unprotected workers and bystanders may travel through (but not engage in any activity in) the buffer zone during the application and the 48-hour period following the end of the application, provided their total exposure time in any 24-hour period is 15 minutes or less. However, travel by unprotected workers or bystanders through the fumigated area itself is prohibited during the entire 5-day Entry Restricted period. Handlers protected with required Personal Protective Equipment (PPE) may work in buffer zones. See the PERSONAL PROTECTIVE EQUIPMENT section.
4. Ensuring application site has a distinctive buffer zone. The buffer zone of the field to be treated cannot overlap the buffer zone of another field treated within the last 48 hours.
5. Ensuring that there are no occupied nursing homes, hospitals, or prisons; and no occupied licensed schools, licensed day care facilities and licensed assisted living facilities (licensed by state and local governments) within $\frac{1}{4}$ mile of the fumigated area during the buffer zone period.
6. Documenting how the buffer zone was determined and providing the information specified below concerning occupied structures located within the buffer zone; and nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state and local governments) within $\frac{1}{4}$ mile of the fumigated area. Records must include buffer zone calculations; diagrams; maps; and the dates and times people left occupied structures within the buffer zone; and when they were allowed to return to such structures. Records must include any consent documentation signed by parties whose properties were outside the control of the Certified Applicator but were included in the buffer zone. Records must also identify nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state or local governments) within $\frac{1}{4}$ mile of the fumigation area, and document how it was determined that such sites would be unoccupied during the application period. These records must be maintained by the Certified Applicator and by the owner/operator of the fumigated site for at least two years following the fumigation and must be made available, upon request to Federal, State, Tribal, and local enforcement personnel

Determining Buffer Zone Distance

- Determine the size of the buffer zone using the following Buffer Zone Table.
- The size of the buffer zone will be dependant on the following three factors:
 - The number of field acres that are being treated with MIDAS EC Gold.
 - The pounds of MIDAS EC Gold that are being applied per treated acre.
 - Buffer zone reduction credits.

Buffer Zone Table

MIDAS EC Gold Application Rate (Lbs per Treated Acre) ⁴	SIZE OF FIELD IN ACRES (Buffer zone distance in feet) ^{1, 2}							
	Up to 5 Acres	6 – 10 Acres	11-15 Acres	16- 20 Acres	21-25 Acres	26-30 Acres	31-35 Acres	36-40 ³ Acres
100	25	25	45	60	70	80	90	95
150	25	30	60	85	100	115	130	145
175	25	35	65	100	120	135	150	165
200	25	40	80	115	135	155	175	190
250	25	50	95	140	165	190	215	235
300	30	60	115	170	200	230	260	285
350	35	70	135	200	235	265	300	330
360	35	70	140	205	240	275	310	340
400	40	75	150	225	265	305	345	380
500	50	95	190	285	335	380	430	475
530	50	100	200	300	350	400	450	500

1. For rates not listed on this table, use the buffer zone for the next highest rate, or use the following calculation to determine the exact buffer zone distance:

$$\text{Buffer Zone for Application Rate Not Listed} = \frac{\text{Known Buffer Zone on Table} \times \text{Application Rate Not Listed}}{\text{Rate of Application for Known Buffer Zone}}$$

2. Buffer Zone Reduction Credits:

Reduce buffer zone by 10% for each factor listed below:

- Use of highly retentive films. Highly retentive films for which credit can be applied must be on an Arysta approved list. Examples of Arysta approved films are Canslit Brand Metalized 1.3 ml, Pliant Blockade® VIF 1.25 ml, and Pliant Metalized 1.0-1.25.
- Application to soils having >3% organic matter refer to the USDA or USGS Soil Survey Maps for the treated area that identify the range of organic matter and / or a documented soil survey report that lists range of % organic matter for the treated area. Collection of samples for analysis of soil in the treated area should follow procedures as per USDA's Natural Resource Conservation Services methods. Information on soil sampling can be found at www.soil.usda.gov

For example, if the Buffer Zone is 50 feet and the application qualifies for a buffer zone reduction credit such as use of highly retentive film, then the buffer zone can be reduced by 10%, i.e. reduced by 5 feet based on the following calculation: 50 ft – (50 ft X 10%) = 45 feet.

If the application qualifies for two buffer zone reduction credits such as use of a highly retentive film and soil with >3% organic matter, then the buffer zone can be reduced by 20%, i.e. reduced by 10 feet based on the following calculation: 50 ft – (50 ft X 20%) = 40 feet.

3.Applications are limited to 40 contiguous acres or less per day.

4.For raised bed applications, the treated acre is the raised bed, not the untreated furrows. As an example, if a raised bed field is 50% raised bed (treated) and 50% furrow (untreated), and 350 lbs of MIDAS EC GOLD is applied to the raised beds of the field, then the effective application rate to the treated raised bed is 350 lbs per treated acre; and that is the rate that would determine the buffer zone.

Note: Minimum allowable buffer zone is 25 feet regardless of buffer zone reduction credits.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 5 days after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Entry during the 5-day restricted entry period is limited to the handler activities of tarp inspection, tarp repair, and flood prevention (including cross ditching).

See the Buffer Zone section of the label for additional Entry Restrictions.

Notification at Entrances to Treated Areas

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to the treated area for no less than 5 days after application. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) MIDAS EC GOLD
- (6) Name, address, and telephone number of the Certified Applicator.

Post these fumigant warning signs for treated areas instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE for Reentry during the Entry-Restricted Period

The PPE required for reentry during the entry-restricted period are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA / NIOSH approved number prefix TC-23C).
- Full face shield or safety glasses with brow, temple and side protection if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4ppm, then see below.
- A full face respirator of one of the following types **if the air concentration of chloropicrin exceeds 4 PPM:** (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. All uses of this fumigant are covered under the Worker Protection Standard, and must be conducted in accordance with all of the requirements of the Worker Protection Standard, (40 CFR Part 170). It is a restricted use pesticide that must only be used by Certified Applicators, certified by the state and trained by Arysta, in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handler under their direct supervision. Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

GENERAL USE PRECAUTIONS

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
- Comply with all local ordinances and regulations.
- Do not apply within ¼ mile of nursing homes, hospitals or prisons; or licensed schools, licensed day care facilities or licensed assisted living facilities (licensed by state or local governments) that will be occupied during the buffer zone period.
- Applications are limited to 40 contiguous acres or less per day.
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. In addition, consult the local weather forecast in the surrounding region for reports of expected inversion layers the day of application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two persons must be present during handling and application of soil fumigants. These persons must be Certified Applicators or handlers under the direct supervision and within the line of sight of a Certified Applicator.
- Certified Applicators are responsible for providing information to all handlers involved with the fumigation about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to handlers in the mechanical operation of the tractor and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all handlers positioned "upwind" from the container and/or where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to the drip applications.
- When fumigating, it is required that 5 gallons of water be available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."
- For raised bed drip applications, keep all pets, livestock and other domestic animals out of the treated areas for 5 days and until the air concentration for chloropicrin is less than 0.1 ppm at the edge of the treated area. Most raised bed applications will not result in tarp removal.
- Tarp removal within 14 days of the start of the application requires a minimum of two trained employees to be present during the operation. Non-handler personnel are prohibited from being present during tarp removal.
- See AGRICULTURAL USE REQUIREMENTS box for details regarding posting and placement of warning signs.
- Do not allow entry by unprotected persons into the fumigated area until the re-entry signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. Signs must remain legible during entire posting period.

- Do not cut standard tarps for planting until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. In the case of applications using highly retentive films, do not cut tarps until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 10 days following application.
- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site as determined by 3 consecutive measurements taken at the down wind edge of the treated site at least 15 minutes apart.

SPILL AND LEAK PROCEDURES

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipped handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm as specified in section above.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.9 gallons of product) to the National Response Center at 1-800-424-8802.

PROCEDURES PRIOR TO, DURING AND AFTER DRIP APPLICATION

CONTROL OF SOIL BORNE PESTS: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases.

Midas EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morning glory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, sting, stubby root, dagger, awl, sheath and stung (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

Soil Preparation: The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment. Little or no plant refuse should be present on soil surface. Prior to application, the soil must be sufficiently moistened to allow seeds to swell (imbibe) in preparation for germination.

Prior to Application:

- Ensure that application equipment does not contain components made of natural rubber, aluminum, magnesium or their alloys.
- Soil in the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply when soils are too wet or too dry for good agricultural practices or too hot or too cold (<55°F or >90°F at a depth of 8 inches).
- Cover the areas to be treated with a standard tarp or highly retentive film .

During Application:

- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Application:

- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. See fumigation table for planting requirements.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHOD

Fumigation with MIDAS EC GOLD shall only be performed in accordance with the following application technique.

RAISED BED DRIP APPLICATION

Rates in the table below are given in pounds of MIDAS EC GOLD per broadcast acre. The amount of product applied will be proportionate to the row spacing and width of the raised bed. To calculate the amount of product to be applied, multiply the application rate in lbs MIDAS EC GOLD/broadcast acre by the appropriate modifier from the Field Rate Modifier Table below.

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre ¹	Time Between Application and Planting ²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	Standard Tarp 300 - 530 lbs/Broadcast Acre (19.8 – 35.1 gal/Broadcast Acre)	10 – 14 days ³
	Highly Retentive Films ⁴ 175 – 200 lbs / Broadcast Acre (11.6 – 13.3 gal / Broadcast Acre)	14 – 21 days When using highly retentive film

NOTE:

- ¹ For fields infested with Nutsedge and Malva, apply a minimum of 450 lbs/broadcast acre (29.8 gal/acre) of MIDAS EC GOLD with standard film and 250 lbs/broadcast acre (16.6 gal/acre) with highly retentive film.
- ² If tarps are cut for removal before planting, aerate a minimum of 24 hours after tarps are cut before removing tarps. Wait at least 5 days after application before cutting standard tarps. Wait at least 10 days after application before cutting highly retentive films.
- ³ Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain.
- ⁴ Contact your Arysta LifeScience representative for film selection and rate reduction recommendations and approved films.

Field Rate Modifier Table for Raised Bed Applications

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

- Apply this product only through buried drip tape. Do not use this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with MIDAS EC GOLD and capable of being fitted with a system interlock.

MIDAS EC GOLD APPLICATION INSTRUCTIONS FOR RAISED BED DRIP FUMIGATION

- Drip tape used to apply MIDAS EC GOLD must be buried 2-4 inches beneath the soil surface. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately; cover the contaminated soil area with untreated soil to absorb the material; and tarp the contaminated area until 48 hours following the end of the application.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- Immediately prior to application of Midas EC Gold, the Certified Applicator must run water through the system to ensure that there are no leaks. Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

ROTATIONAL CROPS

There are no crop rotation restrictions.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured. Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:
Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent applicable by law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MIDAS® and the Midas logo are registered trademarks of Arysta LifeScience North America, LLC
Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience, LLC

Carl

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MIDAS® EC GOLD AD10-12-07
STATES OTHER THAN FL DRAFT CLEAN Page 1 of 13

NOV 02 2009

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide may be used only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

66330-60

MIDAS® EC GOLD

FOR SALE AND USE IN STATES OTHER THAN FLORIDA

Only For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane.....	32.93%
Chloropicrin	61.69%
OTHER INGREDIENTS:	5.38%
TOTAL:	100.00%

One gallon weighs 15.1 pounds (5 pounds Iodomethane and 9.31 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything to an unconscious person.
HOT LINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 or 1-651-632-8946	
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance. With probable recovery after period of no exposure. Treatment is symptomatic.	

EPA Reg. No. 66330-60
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents: _____ LBS

Manufactured for:
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SPECIAL NOTE: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading colorimetric detector devices, such as Kitagawa tubes, certified for chloropicrin at 0.1 to 16 ppm. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the PERSONAL PROTECTIVE EQUIPMENT and AGRICULTURAL USE REQUIREMENTS sections below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers to include (tarp monitors and drip applicators) present on the application site and within the buffer zone (see exception for transient travel under heading "Buffer Zone" must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C)
- Full face shield or safety glasses with brow, temple and side protection if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4 ppm, then see below.

- A full face respirator of one of the following types **if the air concentration of chloropicrin exceeds 4 PPM**: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

Other handlers (to include drip line tenders, planters, hole punchers, tarp cutters, tarp removers, and tarp remover drivers present on the application site from the start of the application until 14 days following the end of the application; and within the buffer zone from the start of the application until 48 hours following the end of the application (see exception for transient travel under heading "Buffer Zone") **must wear**:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- Full face shield or safety glasses with brow, temple and side protection. **DO NOT** wear goggles, except where otherwise required by this label.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.
- Hoses between any fumigant container and the flow meter or flow delivery device must be Teflon® hoses reinforced with stainless steel wire braid or its equivalent.
- External sight gauges, if applicable, shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.
- Check equipment to ensure good condition and integrity prior to each use.

User Safety Requirements

- Do not wear jewelry, gloves, goggles (except where otherwise required by this label), tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.
- Respirator Requirements: When a respirator is required for use with this product, the following..... criteria must be met consistent with the Worker Protection Standard: (a) Cartridges or canisters..... must be replaced when odor or irritation from this product becomes apparent, or after 8 hours of use..... whichever is sooner; (b) Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (c) Respirator users..... must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (d)..... Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
- Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Iodomethane has certain properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only Certified Applicators (certified by the state and trained by Arysta) in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handlers under their direct supervision may be present in the treatment area during application. An Arysta trained and state Certified Applicator must be on site and within the line of sight to observe handlers during the application. Handling tasks to be performed under the direct supervision of a Certified Applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such personnel must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Buffer Zone

The area adjacent to the treated area is referred to as the buffer zone. The buffer zone shall extend from the edge of the treated area in all directions, See Buffer Zone Table. The minimum buffer zone distance shall be 25 feet.

The Certified Applicator supervising the soil fumigation is responsible for the following:

1. Calculating the appropriate size of the buffer zone that must be maintained from the start of the application until 48 hours following the end of the application;
2. Establishing and maintaining the buffer zone from the start of the application until 48 hours following the end of the application. The Certified Applicator must use an appropriate means to manage and maintain the buffer zone such as posting fumigant warning signs around the perimeter of the buffer zone at potential points of entry, using trained workers to patrol the buffer zone, or other equivalent means. If fumigant warning signs are used, they must be posted from

the start of the application until 48 hours following the end of the application and they must include the same warning symbol and statements required for notification warning signs under AGRICULTURAL USE REQUIREMENTS with the exception that signs will indicate "Fumigant Buffer Zone" at the top of the sign and will delete the statement "areas under fumigation". If "Fumigant Buffer Zone" signs are used, the signs must be removed within 3 days of the end of the buffer zone period.

3. Ensuring that unprotected workers and bystanders do not enter the buffer zone from the start of the application until 48 hours following the end of the application. Exception: Unprotected workers and bystanders may travel through (but not engage in any activity in) the buffer zone during the application and the 48-hour period following the end of the application, provided their total exposure time in any 24-hour period is 15 minutes or less. However, travel by unprotected workers or bystanders through the fumigated area itself is prohibited during the entire 5-day Entry Restricted period. Handlers protected with required Personal Protective Equipment (PPE) may work in buffer zones. See the PERSONAL PROTECTIVE EQUIPMENT section.
4. Ensuring application site has a distinctive buffer zone. The buffer zone of the field to be treated cannot overlap the buffer zone of another field treated within the last 48 hours.
5. Ensuring that there are no occupied nursing homes, hospitals, or prisons; and no occupied licensed schools, licensed day care facilities and licensed assisted living facilities (licensed by state and local governments) within $\frac{1}{4}$ mile of the fumigated area during the buffer zone period.
6. Documenting how the buffer zone was determined and providing the information specified below concerning occupied structures located within the buffer zone; and nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state and local governments) within $\frac{1}{4}$ mile of the fumigated area. Records must include buffer zone calculations; diagrams; and maps. Records must also identify nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state or local governments) within $\frac{1}{4}$ mile of the fumigation area, and document how it was determined that such sites would be unoccupied during the application period. These records must be maintained by the Certified Applicator and by the owner/operator of the fumigated site for at least two years following the fumigation and must be made available, upon request to Federal, State, Tribal, and local enforcement personnel

Determining Buffer Zone Distance

- Determine the size of the buffer zone using the following Buffer Zone Table.
- The size of the buffer zone will be dependant on the following three factors:
 - The number of field acres that are being treated with MIDAS EC Gold.
 - The pounds of MIDAS EC Gold that are being applied per treated acre.
 - Buffer zone reduction credits.

Buffer Zone Table

MIDAS EC Gold Application Rate (Lbs per Treated Acre) ⁴	SIZE OF FIELD IN ACRES (Buffer zone distance in feet) ^{1, 2}							
	Up to 5 Acres	6 – 10 Acres	11-15 Acres	16- 20 Acres	21-25 Acres	26-30 Acres	31-35 Acres	36-40 ³ Acres
100	25	25	45	60	70	80	90	95
150	25	30	60	85	100	115	130	145
175	25	35	65	100	120	135	150	165
200	25	40	80	115	135	155	175	190
250	25	50	95	140	165	190	215	235
300	30	60	115	170	200	230	260	285
350	35	70	135	200	235	265	300	330
360	35	70	140	205	240	275	310	340
400	40	75	150	225	265	305	345	380
500	50	95	190	285	335	380	430	475
530	50	100	200	300	350	400	450	500

1. For rates not listed on this table, use the buffer zone for the next highest rate, or use the following calculation to determine the exact buffer zone distance:

$$\text{Buffer Zone for Application Rate Not Listed} = \frac{\text{Known Buffer Zone on Table X Application Rate Not Listed}}{\text{Rate of Application for Known Buffer Zone}}$$

2. Buffer Zone Reduction Credits:

Reduce buffer zone by 10% for each factor listed below:

- Use of highly retentive films. Highly retentive films for which credit can be applied must be on an Arysta approved list. Examples of Arysta approved films are Canslit Brand Metalized 1.3 ml, Pliant Blockade® VIF 1.25 ml, and Pliant Metalized 1.0-1.25.
- Application to soils having >3% organic matter refer to the USDA or USGS Soil Survey Maps for the treated area that identify the range of organic matter and / or a documented soil survey report that lists range of % organic matter for the treated area. Collection of samples for analysis of soil in the treated area should follow procedures as per USDA's Natural Resource Conservation Services methods. Information on soil sampling can be found at www.soil.usda.gov.

For example, if the Buffer Zone is 50 feet and the application qualifies for a buffer zone reduction credit such as use of highly retentive film, then the buffer zone can be reduced by 10%, i.e. reduced by 5 feet based on the following calculation: 50 ft – (50 ft X 10%) = 45 feet.

If the application qualifies for two buffer zone reduction credits such as use of a highly retentive film and soil with >3% organic matter, then the buffer zone can be reduced by 20%, i.e. reduced by 10 feet based on the following calculation: 50 ft – (50 ft X 20%) = 40 feet.

3.Applications are limited to 40 contiguous acres or less per day.

4.For raised bed applications, the treated acre is the raised bed, not the untreated furrows. As an example, if a raised bed field is 50% raised bed (treated) and 50% furrow (untreated), and 350 lbs of MIDAS EC GOLD is applied to the raised beds of the field, then the effective application rate to the treated raised bed is 350 lbs per treated acre; and that is the rate that would determine the buffer zone.

Note: Minimum allowable buffer zone is 25 feet regardless of buffer zone reduction credits.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 5 days after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Entry during the 5-day restricted entry period is limited to the handler activities of tarp inspection, tarp repair, and flood prevention (including cross ditching).

See the Buffer Zone section of the label for additional Entry Restrictions.

Notification at Entrances to Treated Areas

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to the treated area for no less than 5 days after application. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) MIDAS EC GOLD
- (6) Name, address, and telephone number of the Certified Applicator.

Post these fumigant warning signs for treated areas instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE for Reentry during the Entry-Restricted Period

The PPE required for reentry during the entry-restricted period are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA / NIOSH approved number prefix TC-23C).
- Full face shield or safety glasses with brow, temple and side protection if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4ppm, then see below.
- A full face respirator of one of the following types **if the air concentration of chloropicrin exceeds 4 PPM:** (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. All uses of this fumigant are covered under the Worker Protection Standard, and must be conducted in accordance with all of the requirements of the Worker Protection Standard, (40 CFR Part 170). It is a restricted use pesticide that must only be used by Certified Applicators, certified by the state and trained by Arysta, in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handler under their direct supervision. Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

GENERAL USE PRECAUTIONS

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
- Comply with all local ordinances and regulations.
- Do not apply within ¼ mile of nursing homes, hospitals or prisons; or licensed schools, licensed day care facilities or licensed assisted living facilities (licensed by state or local governments) that will be occupied during the buffer zone period.
- Applications are limited to 40 contiguous acres or less per day.
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. In addition, consult the local weather forecast in the surrounding region for reports of expected inversion layers the day of application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two persons must be present during handling and application of soil fumigants. These persons must be Certified Applicators or handlers under the direct supervision and within the line of sight of a Certified Applicator.
- Certified Applicators are responsible for providing information to all handlers involved with the fumigation about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to handlers in the mechanical operation of the tractor and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all handlers positioned "upwind" from the container and/or where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to the drip applications.
- When fumigating, it is required that 5 gallons of water be available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."
- For raised bed drip applications, keep all pets, livestock and other domestic animals out of the treated areas for 5 days and until the air concentration for chloropicrin is less than 0.1 ppm at the edge of the treated area. Most raised bed applications will not result in tarp removal.
- Tarp removal within 14 days of the start of the application requires a minimum of two trained employees to be present during the operation. Non-handler personnel are prohibited from being present during tarp removal.
- See AGRICULTURAL USE REQUIREMENTS box for details regarding posting and placement of warning signs.
- Do not allow entry by unprotected persons into the fumigated area until the re-entry signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. Signs must remain legible during entire posting period.

- Do not cut standard tarps for planting until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. In the case of applications using highly retentive films, do not cut tarps until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 10 days following application.
- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site as determined by 3 consecutive measurements taken at the down wind edge of the treated site at least 15 minutes apart.

SPILL AND LEAK PROCEDURES

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipped handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm as specified in section above.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.9 gallons of product) to the National Response Center at 1-800-424-8802.

PROCEDURES PRIOR TO, DURING AND AFTER DRIP APPLICATION

CONTROL OF SOIL BORNE PESTS: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases.

Midas EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morning glory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, sting, stubby root, dagger, awl, sheath and stung (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

Soil Preparation: The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment. Little or no plant refuse should be present on soil surface. Prior to application, the soil must be sufficiently moistened to allow seeds to swell (imbibe) in preparation for germination.

Prior to Application:

- Ensure that application equipment does not contain components made of natural rubber, aluminum, magnesium or their alloys.
- Soil in the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply when soils are too wet or too dry for good agricultural practices or too hot or too cold (<55°F or >90°F at a depth of 8 inches).
- Cover the areas to be treated with a standard tarp or highly retentive film.

During Application:

- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Application:

- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. See fumigation table for planting requirements.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHOD

Fumigation with MIDAS EC GOLD shall only be performed in accordance with the following application technique.

RAISED BED DRIP APPLICATION

Rates in the table below are given in pounds of MIDAS EC GOLD per broadcast acre. The amount of product applied will be proportionate to the row spacing and width of the raised bed. To calculate the amount of product to be applied, multiply the application rate in lbs MIDAS EC GOLD/broadcast acre by the appropriate modifier from the Field Rate Modifier Table below.

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre¹	Time Between Application and Planting²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	Standard Tarp 300 - 530 lbs/Broadcast Acre (19.8 – 35.1 gal/Broadcast Acre)	10 – 14 days ³
	Highly Retentive Films ⁴ 175 – 200 lbs / Broadcast Acre (11.6 – 13.3 gal / Broadcast Acre)	14 – 21 days When using highly retentive film
NOTE: ¹ For fields infested with Nutsedge and Malva, apply a minimum of 450 lbs/broadcast acre (29.8 gal/acre) of MIDAS EC GOLD with standard film and 250 lbs/broadcast acre (16.6 gal/acre) with highly retentive film. ² If tarps are cut for removal before planting, aerate a minimum of 24 hours after tarps are cut before removing tarps. Wait at least 5 days after application before cutting standard tarps. Wait at least 10 days after application before cutting highly retentive films. ³ Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain. ⁴ Contact your Arysta LifeScience representative for film selection and rate reduction recommendations and approved films.		

Field Rate Modifier Table for Raised Bed Applications

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

- Apply this product only through buried drip tape. Do not use this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with MIDAS EC GOLD and capable of being fitted with a system interlock.

MIDAS EC GOLD APPLICATION INSTRUCTIONS FOR RAISED BED DRIP FUMIGATION

- Drip tape used to apply MIDAS EC GOLD must be buried 2-4 inches beneath the soil surface. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately; cover the contaminated soil area with untreated soil to absorb the material; and tarp the contaminated area until 48 hours following the end of the application.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- Immediately prior to application of Midas EC Gold, the Certified Applicator must run water through the system to ensure that there are no leaks. Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

ROTATIONAL CROPS

There are no crop rotation restrictions.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured. Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without

safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:
Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent applicable by law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MIDAS® and the Midas logo are registered trademarks of Arysta LifeScience North America, LLC
Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience, LLC



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 18, 2009

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

BECKY RHODES
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513-

PRODUCT NAME: MIDAS EC GOLD
COMPANY NAME: ARYSTA LIFESCIENCE NORTH AMERICA, LLC
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 66330-60
EPA RECEIPT DATE: 06/17/09

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 21, at (703) 308-9354.

Sincerely,
Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

Fee for Service

rem
{852169D~

This package includes the following

- ☐ New Registration
- ☒ Amendment

- ☐ Studies? ☐ Fee Waiver?
- ☐ volpay % Reduction: _____

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr.

21

Receipt No.

S-

852169

EPA File Symbol/Reg. No.

66330-60

Pin-Punch Date:

6/17/2009



This item is NOT subject to FFS action.

Action Code:

Requested:

Granted:

Amount Due: \$ _____

Parent/Child Decisions:

NON-FEE

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: *AV Monty*

Date: *6/18/09*

Remarks:

PM 21

FAST-TRACK AMENDMENTS-Completeness Screening Checklist

Experts In-Processing Signature: LM

EPA Reg. Number: <u>66330-60</u>		EPA Receipt Date: <u>6/17/09</u>		
	Check List Item	Yes	No	NA
1	Application Form (EPA Form 8570-1) -signed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Confidential Statement of Formula (EPA Form 8570-29) - signed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Certification with Respect to Citation of Data (EPA Form 8570-34) signed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Formulator's Exemption Statement (EPA Form 8570-27) - signed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Data Matrix (EPA Form 8570-35) [Applicable, for adding me-too uses]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	a) Selective Method?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b) Cite-All Method? Applicant owns data or list only the companies offered to pay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c) Public copy of Matrix provided? See PR Notice 98-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Is Label Included? (5 copies)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: <u>Label Attached</u> <u>6/25/09</u> <u>Sumner - Assign to Tammie</u> <u>300</u> <u>FL only & other states label</u>				



June 16, 2009

Ms. Mary L. Waller, PM 21
Document Processing Desk (AMEND)
Office of Pesticide Programs – 7504P
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Subject: Midas EC Gold
EPA Reg. No. 66330-60
Label Amendment to Create “Florida Only” and “Other States” Labels

Dear Ms. Waller:

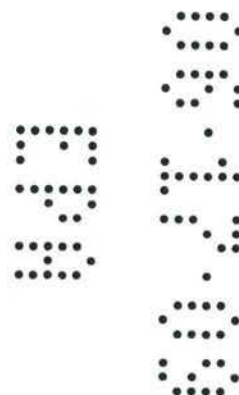
Enclosed herewith are proposed amended labels for Midas 33:67 (EPA Reg. No. 66330-60). The purpose of this submission is to gain Agency approval for “Florida Only” and “Other States” labels for this product. Arysta LifeScience has already obtained approval of similar labels for Midas 50:50 (EPA Reg. No. 66330-57) and Midas 98:2 (EPA Reg. No. 66330-43). You and Tamue Gibson discussed this concept with Becky Rhodes and me when we met on March 24, 2009. In accordance with your instructions at that time, I have already gained acceptance of the language on the “Florida Only” label from the Florida Department of Agriculture and Consumer Services. Of course, they cannot register the label until after it is accepted by the Agency.

If you find the enclosed amended labels acceptable, please stamp and return on copy of each for our records and our use in supporting the required state registrations. If you have any questions or require additional information, you may contact me at (919) 678-4886 or by e-mail at alex.hawkins@arystalifescience.com.

Since there are no data to review, there are no PRIA fees associated with this action.

Sincerely,

W. A. Hawkins, Jr., Ph.D.
Regulatory Manager
Arysta LifeScience North America



**EPA**

United States
Environmental Protection Agency
 Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other:**

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Arysta LifeScience North America, LLC/66330-60	2. EPA Product Manager Mary L. Waller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Arysta LifeScience North America, LLC/ Midas EC Gold	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____
<input type="checkbox"/> Check if this is a new address		

Section - II

<input checked="" type="checkbox"/> Amendment – Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Label amendment to create "Florida Only" and "Other States" labels as previously done for other Midas brand products.

There are no data to review so there is no PRIA fee associated with this action.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)		
*Certification must be submitted If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)			
Name W. A. Hawkins, Jr., Ph.D.		Title Regulatory Manager	
		Telephone No. (Include Area Code) 919-678-4886	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			
2. Signature 		3. Title Regulatory Manager	
4. Typed Name W. A. Hawkins, Jr., Ph.D.		5. Date 6/16/09	
6. Date Application Received (Stamped) 			

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MIDAS® EC GOLD

FOR SALE AND USE IN FLORIDA ONLY

Only For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane.....32.93%

Chloropicrin61.69%

OTHER INGREDIENTS:5.38%

TOTAL:.....100.00%

One gallon weighs 15.1 pounds (5 pounds Iodomethane and 9.31 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything to an unconscious person.
HOT LINE NUMBERS	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 or 1-651-632-8946	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.	

EPA Reg. No. 66330-60
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents: LBS

Manufactured for:
Arysta LifeScience North America, LLC Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SPECIAL NOTE: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading colorimetric detector devices, such as Kitagawa tubes, certified for chloropicrin at 0.1 to 16 ppm. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the PERSONAL PROTECTIVE EQUIPMENT and AGRICULTURAL USE REQUIREMENTS sections below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers to include (tarp monitors and drip applicators) present on the application site and within the buffer zone (see exception for transient travel under heading "Buffer Zone") must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C).
- Full face shield or safety glasses with brow, temple and side protection ~~is required.~~ DO NOT wear goggles if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4 ppm, then see below.

- A full face respirator of one of the following types if the air concentration of chloropicrin exceeds 4 PPM: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

Other handlers (to include drip line tenders, planters, hole punchers, tarp cutters, tarp removers, and tarp remover drivers) present on the application site from the start of the application until 14 days following the end of the application; and within the buffer zone from the start of the application until 48 hours following the end of the application (see exception for transient travel under heading "Buffer Zone") must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- Full face shield or safety glasses with brow, temple and side protection, is required. DO NOT wear goggles, except where otherwise required by this label.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.
- Hoses between any fumigant container and the flow meter or flow delivery device must be Teflon® hoses reinforced with stainless steel wire braid or its equivalent.
- External sight gauges, if applicable, shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.
- Check equipment to ensure good condition and integrity prior to each use.

User Safety Requirements

- Do not wear jewelry, gloves, goggles (except where otherwise required by this label), tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.
- Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met consistent with the Worker Protection Standard: (a) Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, or after 8 hours of use, whichever is sooner; (b) Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (c) Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (d) Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
- Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Iodomethane has certain properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only Certified Applicators (certified by ~~both~~ the state and trained by Arysta) ~~trained~~ in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and workershandlers under their direct supervision may be present in the treatment area during application. An Arysta trained and state Certified Applicator must be on site and within the line of sight to observe handlers during the application. Handling tasks to be performed under the direct supervision of a Certified Applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such handlerspersonnel must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Buffer Zone

The area adjacent to the treated area is referred to as the buffer zone. The buffer zone shall extend from the edge of the treated area in all directions, See Buffer Zone Table. The minimum buffer zone distance shall be 25 feet.

The Certified Applicator supervising the soil fumigation is responsible for the following:

1. Calculating the appropriate size of the buffer zone that must be maintained from the start of the application until during the first 48 hours following the end of the application;
2. Establishing and maintaining the buffer zone from the start of the application until during the 48 hours following the end of the application, and Buffer zones must be on the property under the control of the Certified Applicator and must not include property that is not under the control of the Certified Applicator unless written permission is obtained prior to fumigation, including signature, from responsible parties from all properties that will be included or partially included in the buffer zone. Buffer zones shall not extend onto public roads or areas, or onto any other land for which

written consent is not attainable. The Certified Applicator must use an appropriate means to manage and maintain the buffer zone such as posting fumigant warning signs around the perimeter of the buffer zone at potential points of entry, using trained workers to patrol the buffer zone, or other equivalent means. If fumigant warning signs are used, they must be posted from the start of the application until 48 hours following the end of the application and they must include the same warning symbol and statements required for notification warning signs under AGRICULTURAL USE REQUIREMENTS with the exception that signs will indicate "Fumigant Buffer Zone" at the top of the sign and will delete the statement "areas under fumigation". If "Fumigant Buffer Zone" signs are used, the signs must be removed within 3 days of the end of the buffer zone period.

3. Ensuring that unprotected workers and bystanders do not enter the buffer zone ~~during the~~from the start of the application until 48 hours following the end of the application. Exception: Unprotected workers and bystanders may travel through (but not engage in any activity in) the buffer zone during the application and the 48-hour period following the end of the application, provided their total exposure time in any 24-hour period is 15 minutes or less. However, travel by unprotected workers or bystanders through the fumigated area itself is prohibited during the entire 5-day Entry Restricted period. Handlers protected with required Personal Protective Equipment (PPE) ~~required for early entry into a treated area~~ may work in buffer zones. See the PERSONAL PROTECTIVE EQUIPMENT section.
4. Ensuring application site has a distinctive buffer zone. The buffer zone of the field to be treated cannot overlap the buffer zone of another field treated within the last 48 hours.
5. Ensuring that there are no occupied nursing homes, hospitals, or prisons; and no occupied licensed schools, licensed day care facilities and licensed assisted living facilities (licensed by state and local governments) with ¼ mile of the fumigated area during the buffer zone period.
- 5-6. Documenting how the buffer zone was determined and providing the information specified below concerning occupied structures located within the buffer zone; and nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state and local governments) within ¼ mile of the fumigated area. Records must include buffer zone calculations; diagrams; maps; and the dates and times people left occupied structures within the buffer zone; and when they were allowed to return to such structures. Records must include any consent documentation signed by parties whose properties were outside the control of the Certified Applicator but were included in the buffer zone. Records must also identify nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state or local governments) within ¼ mile of the fumigation area, and document how it was determined that such sites would be unoccupied during the application period. The Certified Applicator supervising the soil fumigation must document how the buffer zone was determined, the location of unoccupied sensitive sites within ¼ mile of the fumigated area, and how persons in occupied structures located within the buffer zone were protected. These records must be maintained by the Certified Applicator and by the owner/operator of the fumigated site for at least two years following the fumigation and must be made available, upon request to Federal, State, Tribal, and local enforcement personnel

Determining Buffer Zone Distance

- Determine the size of the buffer zone using the following Buffer Zone Table.
- The size of the buffer zone will be dependant on the following three factors:
 - The number of field acres that are being treated with MIDAS EC Gold.
 - The pounds of MIDAS EC Gold that are being applied per treated acre.
 - Buffer zone reduction credits.

Buffer Zone Table

MIDAS EC Gold Application Rate (Lbs per Treated Acre) ⁴	SIZE OF FIELD IN ACRES (Buffer zone distance in feet) ^{1, 2}							
	Up to 5 Acres	6 – 10 Acres	11-15 Acres	16- 20 Acres	21-25 Acres	26-30 Acres	31-35 Acres	36-40 ³ Acres
100	25	25	45	60	70	80	90	95
150	25	30	60	85	100	115	130	145
175	25	35	65	100	120	135	150	165
200	25	40	80	115	135	155	175	190
250	25	50	95	140	165	190	215	235
300	30	60	115	170	200	230	260	285
350	35	70	135	200	235	265	300	330
360	35	70	140	205	240	275	310	340
400	40	75	150	225	265	305	345	380
500	50	95	190	285	335	380	430	475
530	50	100	200	300	350	400	450	500

1. For rates not listed on this table, use the buffer zone for the next highest rate, or use the following calculation to determine the exact buffer zone distance:

$$\text{Buffer Zone for Application Rate Not Listed} = \frac{\text{Known Buffer Zone on Table X Application Rate Not Listed}}{\text{Rate of Application for Known Buffer Zone}}$$

2. Buffer Zone Reduction Credits:

Reduce buffer zone by 10% for each factor listed below:

- Use of ~~High-Barrier~~highly retentive films. ~~High-Barrier~~Highly retentive films for which credit can be applied must be on an Arysta approved list. Examples of Arysta approved films are Canslit Brand Metalized 1.3 ml, Pliant Blockade® VIF 1.25 ml, and Pliant Metalized 1.0-1.25.
- Application to soils having >3% organic matter refer to the USDA or USGS Soil Survey Maps for the treated area that identify the range of organic matter and / or a documented soil survey report that lists range of % organic matter for the treated area. Collection of samples for analysis of soil in the treated area should follow procedures as per USDA's Natural Resource Conservation Services methods. Information on soil sampling can be found at www.soil.usda.gov.

For example, if the Buffer Zone is 50 feet and the application qualifies for a buffer zone reduction credit such as use of ~~high-barrier~~highly retentive film, then the buffer zone can be reduced by 10%, i.e. reduced by 5 feet based on the following calculation: 50 ft – (50 ft X 10%) = 45 feet.

If the application qualifies for two buffer zone reduction credits such as use of a ~~highly retentive~~high-barrier film and soil with >3% organic matter, then the buffer zone can be reduced by 20%, i.e. reduced by 10 feet based on the following calculation: 50 ft – (50 ft X 20%) = 40 feet.

- 3.Applications are limited to 40 contiguous acres or less per day, ~~on a single site.~~

- 4.For raised bed applications, the treated acre is the raised bed, not the untreated furrows. As an example, if a raised bed field is 50% raised bed (treated) and 50% furrow (untreated), and 350 lbs of MIDAS EC GOLD is applied to the ~~raised beds of the~~ field, then the effective application

rate to the treated raised bed is 350 lbs per treated acre; and that is the rate that would determine the buffer zone.

Note: Minimum allowable buffer zone is 25 feet regardless of buffer zone reduction credits.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 5 days after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Entry during the 5-day restricted entry period is limited to the handler activities of tarp inspection, tarp repair, and flood prevention (including cross ditching). Early entry under the WPS is limited to tarp inspection and repair. Non-handler entry is prohibited while tarps are being removed.

See the Buffer Zone section of the label for additional Entry Restrictions.

Notification at Entrances to Treated Areas

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to the treated area for no less than 5 days after application. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) MIDAS EC GOLD
- (6) Name, address, and telephone number of the Certified Applicator.

Post these fumigant warning signs for treated areas instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE for Reentry during the Entry-Restricted Period

The PPE required for reentry during the entry-restricted period are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA / NIOSH approved number prefix TC-23C).
- Full face shield or safety glasses with brow, temple and side protection if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4ppm, then see below.
- A full face respirator of one of the following types if the air concentration of chloropicrin exceeds 4 PPM: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. All uses of this fumigant are covered under the Worker Protection Standard, and must be conducted in accordance with all of the requirements of the Worker Protection Standard, (40 CFR Part 170). It is a restricted use pesticide that must only be used by Certified Applicators, certified by the state and trained by Arysta, in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handler under their direct supervision. ~~or under the direct supervision of individuals trained and certified in its proper use.~~ Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

GENERAL USE PRECAUTIONS

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
- Comply with all local ordinances and regulations.
- Do not apply within ¼ mile of nursing homes, hospitals or prisons; or licensed schools, licensed day care facilities or licensed assisted living facilities (licensed by state or local governments) that will be occupied during the buffer zone period. ~~any occupied sensitive site such as schools, day care facilities, nursing homes, hospitals, prisons, and playgrounds.~~
- Applications are limited to 40 contiguous acres or less per day. ~~on a single site.~~
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. In addition, consult the local weather forecast in the surrounding region for reports of expected inversion layers the day of application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two persons trained employees must be present during handling and application of soil fumigants. These persons must be Certified Applicators or handlers under the direct supervision and within the line of sight of a Certified Applicator.
- Certified Applicators are responsible for providing information to all handlersworkers involved with the fumigation about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to workershandlers in the mechanical operation of the tractor and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all workershandlers positioned "upwind" from the container and/or where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to the drip applications.soil injection.
- When fumigating ~~from a tractor~~, it is required that 5 gallons of water be carried on the tractor and readily available for rinsing and cleaning purposes. ~~An additional 5 gallons of water must be~~ available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking.
- For raised bed drip applications, keep all pets, livestock and other domestic animals out of the treated areas for 5 days and until the air concentration for chloropicrin is less than 0.1 ppm at the edge of the treated area. Most raised bed applications will not result in tarp removal.
- Tarp removal within 14 days of the start of the application requires a minimum of two trained employees to be present during the operation. Non-handler personnel are prohibited from being present during tarp removal.
- See AGRICULTURAL USE REQUIREMENTS box for details regarding posting and placement of warning signs.

- Do not allow entry by unprotected persons into the fumigated area until the re-entry signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. Signs must remain legible during entire posting period. ~~Also, do not cut tarps for planting until these conditions have been met.~~
- Do not cut standard tarps for planting until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. In the case of applications using highly retentive films, do not cut tarps until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 10 days following application.
- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site as determined by 3 consecutive measurements taken at the down wind edge of the treated site at least 15 minutes apart.

SPILL AND LEAK PROCEDURES

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipped handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm as specified in section above.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.9 gallons of product) to the National Response Center at 1-800-424-8802.

PROCEDURES PRIOR TO, DURING AND AFTER DRIP APPLICATION

CONTROL OF SOIL BORNE PESTS: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases.

Midas EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morning glory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, sting, stubby root, dagger, awl, sheath and stung (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

Soil Preparation: The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment. Little or no plant refuse should be present on soil surface. Prior to application, the soil must be sufficiently moistened to allow seeds to swell (imbibe) in preparation for germination.

Prior to Application:

- Ensure that application equipment does not contain components made of natural rubber, aluminum, magnesium or their alloys.
- Soil in the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply ~~to wet or cold soils when soils are too wet or too dry for good agricultural practices or too hot or too cold~~ (<55°F ~~or~~ >90°F at a depth of 8 inches).
- Cover the ~~areas to be treated areas~~ with a standard tarp or highly retentive film plastic tarpaulin.

During Application:

- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Application:

- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. ~~DO NOT PLANT if the odor of the chloropicrin is detectable.~~ See fumigation table for planting requirements.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHOD

Fumigations with MIDAS EC GOLD shall only be performed in accordance with the following application technique.

RAISED BED DRIP APPLICATION

Rates in the table below are given in pounds of MIDAS EC GOLD per broadcast acre. The amount of product applied will be proportionate to the row spacing and width of the raised bed. To calculate the amount of product to be applied, multiply the application rate in lbs MIDAS EC GOLD/broadcast acre by the appropriate modifier from the Field Rate Modifier Table below.

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre¹	Time Between Application and Planting²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	<u>Standard Tarp</u> 300 - 530 lbs/Broadcast Acre (19.8 – 35.1 gal/Broadcast Acre)	10 – 14 days ³
	Use with Highly Retentive Films ⁴ 175 – 200 lbs / Broadcast Acre (11.6 – 13.3 gal / Broadcast Acre)	14 – 21 days ^{3,4} <u>When using highly retentive film</u>

NOTE:

¹ For fields infested with Nutsedge and Malva, apply a minimum of 450 lbs/broadcast acre (29.8 gal/acre) of MIDAS EC GOLD with standard film and 250 lbs/broadcast acre (16.6 gal/acre) with highly retentive film.

² If tarps are cut for removal before planting, aerate a minimum of 24 hours after tarps are cut before removing tarps. Wait at least 5 days after application before cutting standard tarps. Wait at least 10 days after application before cutting highly retentive films.

²³ Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain-or-persistence of chloropicrin odor in the soil.

³⁴ Use of highly retentive films (e.g. VIF and approved Metallic) will require a rate reduction of up to 40-50% of the maximum use rate. Contact your Arysta LifeScience representative for film selection and rate reduction

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre ¹	Time Between Application and Planting ²
<p>recommendations and approved films.</p> <p>4If highly retentive films are not removed, plant a minimum of 14 days after application, which includes the minimum 24 hours of aeration once the tarps have been cut. If the tarpaulins are not cut or aerated, prior to planting, the odor of chloropicrin must not be detectable. If odor of chloropicrin is detectable, wait a minimum of 21 days before planting to avoid possible plant injury.</p>		

Field Rate Modifier Table for Raised Bed Applications

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

- Apply this product only through buried drip tape. Do not use this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with MIDAS EC GOLD and capable of being fitted with a system interlock.

MIDAS EC GOLD APPLICATION INSTRUCTIONS FOR RAISED BED DRIP FUMIGATION

- Drip tape used to apply MIDAS EC GOLD must may be applied through drip tape buried 2-4 inches beneath the soil surface. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately; ~~and~~ cover the contaminated soil area with untreated clean soil to absorb the material; and tarp the contaminated area until 48 hours following the end of the application.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- Immediately prior to application of Midas EC Gold, the Certified Applicator must run water through the system to ensure that there are no leaks. Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

FOOD CROP ROTATION RESTRICTIONS

~~Food crops other than strawberry, tomatoes and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Crop rotation to non-food crops or non-bearing fruit or nut trees is not restricted.~~

ROTATIONAL CROPS

There are no crop rotation restrictions.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured. Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: Refillable container. Refill this container with pesticide only. Do not reuse this [JBI] container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:
Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, ~~LLC Corporation~~ ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent applicable by law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MIDAS® and the Midas logo are registered trademarks of Arysta LifeScience North America, LLC
Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience, LLC
MIDAS® is a registered trademark of Arysta LifeScience North America Corporation

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MIDAS® EC GOLD

FOR SALE AND USE IN STATES OTHER THAN FLORIDA

Only For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane.....	32.93%
Chloropicrin	61.69%
OTHER INGREDIENTS:	5.38%
TOTAL:	100.00%

One gallon weighs 15.1 pounds (5 pounds Iodomethane and 9.31 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
<p align="center">HOT LINE NUMBERS</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p align="center">FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 or 1-651-632-8946</p>	
<p>NOTE TO PHYSICIAN</p> <p>Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.</p>	

EPA Reg. No. 66330-60
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents: LBS

Manufactured for:
Arysta LifeScience North America, LLC Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SPECIAL NOTE: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading colorimetric detector devices, such as Kitagawa tubes, certified for chloropicrin at 0.1 to 16 ppm. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the PERSONAL PROTECTIVE EQUIPMENT and AGRICULTURAL USE REQUIREMENTS sections below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers to include (tarp monitors and drip applicators) present on the application site and within the buffer zone (see exception for transient travel under heading "Buffer Zone") must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C)
- Full face shield or safety glasses with brow, temple and side protection ~~is required. DO NOT wear goggles if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4 ppm, then see below.~~

- A full face respirator of one of the following types if the air concentration of chloropicrin exceeds 4 PPM: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

Other handlers (to include drip line tenders, planters, hole punchers, tarp cutters, tarp removers, and tarp remover drivers present on the application site from the start of the application until 14 days following the end of the application; and within the buffer zone from the start of the application until 48 hours following the end of the application (see exception for transient travel under heading "Buffer Zone") must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- Full face shield or safety glasses with brow, temple and side protection, is required. DO NOT wear goggles, except where otherwise required by this label.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.
- Hoses between any fumigant container and the flow meter or flow delivery device must be Teflon® hoses reinforced with stainless steel wire braid or its equivalent.
- External sight gauges, if applicable, shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.
- Check equipment to ensure good condition and integrity prior to each use.

User Safety Requirements

- Do not wear jewelry, gloves, goggles (except where otherwise required by this label), tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.
- Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met consistent with the Worker Protection Standard: (a) Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, or after 8 hours of use, whichever is sooner; (b) Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (c) Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (d) Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
- Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Iodomethane has certain properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only Certified Applicators (certified by ~~both~~ the state and trained by Arysta) ~~trained~~ in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and ~~workers~~handlers under their direct supervision may be present in the treatment area during application. An Arysta trained and state Certified Applicator must be on site and within the line of sight to observe handlers during the application. Handling tasks to be performed under the direct supervision of a Certified Applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such personnel must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Buffer Zone

The area adjacent to the treated area is referred to as the buffer zone. The buffer zone shall extend from the edge of the treated area in all directions, See Buffer Zone Table. The minimum buffer zone distance shall be 25 feet.

The Certified Applicator supervising the soil fumigation is responsible for the following:

1. Calculating the appropriate size of the buffer zone that must be maintained from the start of the application until during the first 48 hours following the end of the application;
2. Establishing and maintaining the buffer zone from the start of the application until during the 48 hours following the end of the application, ~~and~~ The Certified Applicator must use an appropriate means to manage and maintain the buffer zone such as posting fumigant warning signs around the perimeter of the buffer zone at potential points of entry, using trained workers to patrol the buffer zone, or other equivalent means. If fumigant warning signs are used, they must be posted

from the start of the application until 48 hours following the end of the application and they must include the same warning symbol and statements required for notification warning signs under AGRICULTURAL USE REQUIREMENTS with the exception that signs will indicate "Fumigant Buffer Zone" at the top of the sign and will delete the statement "areas under fumigation". If "Fumigant Buffer Zone" signs are used, the signs must be removed within 3 days of the end of the buffer zone period.

3. Ensuring that unprotected workers and bystanders do not enter the buffer zone ~~during the~~from the start of the application until 48 hours following the end of the application. Exception: Unprotected workers and bystanders may travel through (but not engage in any activity in) the buffer zone during the application and the 48-hour period following the end of the application, provided their total exposure time in any 24-hour period is 15 minutes or less. However, travel by unprotected workers or bystanders through the fumigated area itself is prohibited during the entire 5-day Entry Restricted period. Handlers protected with required Personal Protective Equipment (PPE) ~~required for early entry into a treated area~~ may work in buffer zones. See the PERSONAL PROTECTIVE EQUIPMENT section.
4. Ensuring application site has a distinctive buffer zone. The buffer zone of the field to be treated cannot overlap the buffer zone of another field treated within the last 48 hours.
5. Ensuring that there are no occupied nursing homes, hospitals, or prisons; and no occupied licensed schools, licensed day care facilities and licensed assisted living facilities (licensed by state and local governments) with ¼ mile of the fumigated area during the buffer zone period.
- 5-6. Documenting how the buffer zone was determined and providing the information specified below concerning occupied structures located within the buffer zone; and nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state and local governments) within ¼ mile of the fumigated area. Records must include buffer zone calculations; diagrams; and maps. Records must also identify nursing homes, hospitals, or prisons; or licensed schools, licensed day care facilities, or licensed assisted living facilities (licensed by state or local governments) within ¼ mile of the fumigation area, and document how it was determined that such sites would be unoccupied during the application period. The Certified Applicator supervising the soil fumigation must document how the buffer zone was determined, the location of unoccupied sensitive sites within ¼ mile of the fumigated area, and how persons in occupied structures located within the buffer zone were protected. These records must be maintained by the Certified Applicator and by the owner/operator of the fumigated site for at least two years following the fumigation and must be made available, upon request to Federal, State, Tribal, and local enforcement personnel

Determining Buffer Zone Distance

- Determine the size of the buffer zone using the following Buffer Zone Table.
- The size of the buffer zone will be dependant on the following three factors:
 - The number of field acres that are being treated with MIDAS EC Gold.
 - The pounds of MIDAS EC Gold that are being applied per treated acre.
 - Buffer zone reduction credits.

Buffer Zone Table

MIDAS EC Gold Application Rate (Lbs per Treated Acre) ⁴	SIZE OF FIELD IN ACRES (Buffer zone distance in feet) ^{1, 2}							
	Up to 5 Acres	6 – 10 Acres	11-15 Acres	16- 20 Acres	21-25 Acres	26-30 Acres	31-35 Acres	36-40 ³ Acres
100	25	25	45	60	70	80	90	95
150	25	30	60	85	100	115	130	145
175	25	35	65	100	120	135	150	165
200	25	40	80	115	135	155	175	190
250	25	50	95	140	165	190	215	235
300	30	60	115	170	200	230	260	285
350	35	70	135	200	235	265	300	330
360	35	70	140	205	240	275	310	340
400	40	75	150	225	265	305	345	380
500	50	95	190	285	335	380	430	475
530	50	100	200	300	350	400	450	500

1. For rates not listed on this table, use the buffer zone for the next highest rate, or use the following calculation to determine the exact buffer zone distance:

$$\text{Buffer Zone for Application Rate Not Listed} = \frac{\text{Known Buffer Zone on Table} \times \text{Application Rate Not Listed}}{\text{Rate of Application for Known Buffer Zone}}$$

2. **Buffer Zone Reduction Credits:**

Reduce buffer zone by 10% for each factor listed below:

- Use of High Barrier/highly retentive films. High Barrier/Highly retentive films for which credit can be applied must be on an Arysta approved list. Examples of Arysta approved films are Canslit Brand Metalized 1.3 ml, Pliant Blockade® VIF 1.25 ml, and Pliant Metalized 1.0-1.25.
- Application to soils having >3% organic matter refer to the USDA or USGS Soil Survey Maps for the treated area that identify the range of organic matter and / or a documented soil survey report that lists range of % organic matter for the treated area. Collection of samples for analysis of soil in the treated area should follow procedures as per USDA's Natural Resource Conservation Services methods. Information on soil sampling can be found at www.soil.usda.gov.

For example, if the Buffer Zone is 50 feet and the application qualifies for a buffer zone reduction credit such as use of high-barrier/highly retentive film, then the buffer zone can be reduced by 10%, i.e. reduced by 5 feet based on the following calculation: 50 ft – (50 ft X 10%) = 45 feet.

If the application qualifies for two buffer zone reduction credits such as use of a highly retentive high-barrier film and soil with >3% organic matter, then the buffer zone can be reduced by 20%, i.e. reduced by 10 feet based on the following calculation: 50 ft – (50 ft X 20%) = 40 feet.

3. Applications are limited to 40 contiguous acres or less per day, -on-a-single-site-.

4. For raised bed applications, the treated acre is the raised bed, not the untreated furrows. As an example, if a raised bed field is 50% raised bed (treated) and 50% furrow (untreated), and 350 lbs of MIDAS EC GOLD is applied to the raised beds of the field, then the effective application rate to the treated raised bed is 350 lbs per treated acre; and that is the rate that would determine the buffer zone.

Note: Minimum allowable buffer zone is 25 feet regardless of buffer zone reduction credits.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 5 days after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Entry during the 5-day restricted entry period is limited to the handler activities of tarp inspection, tarp repair, and flood prevention (including cross ditching). Early entry under the WPS is limited to tarp inspection and repair. Non-handler entry is prohibited while tarps are being removed.

See the Buffer Zone section of the label for additional Entry Restrictions.

Notification at Entrances to Treated Areas

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to the treated area for no less than 5 days after application. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) MIDAS EC GOLD
- (6) Name, address, and telephone number of the Certified Applicator.

Post these fumigant warning signs for treated areas instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE for Reentry during the Entry-Restricted Period

The PPE required for reentry during the entry-restricted period are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA / NIOSH approved number prefix TC-23C).
- Full face shield or safety glasses with brow, temple and side protection if the air concentration of chloropicrin is less than 0.1 ppm. If the air concentration of chloropicrin is greater than 0.1 ppm, but less than 4 ppm, wear a full face respirator or face-sealing goggles with a half-face respirator. If the chloropicrin concentration is greater than 4ppm, then see below.
- A full face respirator of one of the following types if the air concentration of chloropicrin exceeds 4 PPM: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. All uses of this fumigant are covered under the Worker Protection Standard, and must be conducted in accordance with all of the requirements of the Worker Protection Standard, (40 CFR Part 170). It is a restricted use pesticide that must only be used by Certified Applicators, certified by the state and trained by Arysta, in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and handler under their direct supervision. ~~or under the direct supervision of individuals trained and certified in its proper use.~~ Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

GENERAL USE PRECAUTIONS

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
- Comply with all local ordinances and regulations.
- Do not apply within ¼ mile of nursing homes, hospitals or prisons; or licensed schools, licensed day care facilities or licensed assisted living facilities (licensed by state or local governments) that will be occupied during the buffer zone period. ~~any occupied sensitive site such as schools, day care facilities, nursing homes, hospitals, prisons, and playgrounds.~~
- Applications are limited to 40 contiguous acres or less per day ~~on a single site.~~
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. In addition, consult the local weather forecast in the surrounding region for reports of expected inversion layers the day of application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two persons trained employees must be present during handling and application of soil fumigants. These persons must be Certified Applicators or handlers under the direct supervision and within the line of sight of a Certified Applicator.
- Certified Applicators are responsible for providing information to all handlersworkers involved with the fumigation about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to workershandlers in the mechanical operation of the tractor and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all workershandlers positioned "upwind" from the container and/or where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to the drip applications, soil injection.
- When fumigating ~~from a tractor,~~ it is required that 5 gallons of water be carried on the tractor and readily available for rinsing and cleaning purposes. ~~An additional 5 gallons of water must be available~~ in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking.
- For raised bed drip applications, keep all pets, livestock and other domestic animals out of the treated areas for 5 days and until the air concentration for chloropicrin is less than 0.1 ppm at the edge of the treated area. Most raised bed applications will not result in tarp removal.
- Tarp removal within 14 days of the start of the application requires a minimum of two trained employees to be present during the operation. Non-handler personnel are prohibited from being present during tarp removal.
- See AGRICULTURAL USE REQUIREMENTS box for details regarding posting and placement of warning signs.

- Do not allow entry by unprotected persons into the fumigated area until the re-entry signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. Signs must remain legible during entire posting period. ~~Also, do not cut tarps for planting until these conditions have been met.~~
- Do not cut standard tarps for planting until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. In the case of applications using highly retentive films, do not cut tarps until the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 10 days following application.
- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site as determined by 3 consecutive measurements taken at the down wind edge of the treated site at least 15 minutes apart.

SPILL AND LEAK PROCEDURES

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipped handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm as specified in section above.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.9 gallons of product) to the National Response Center at 1-800-424-8802.

PROCEDURES PRIOR TO, DURING AND AFTER DRIP APPLICATION

CONTROL OF SOIL BORNE PESTS: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases.

Midas EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morning glory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, sting, stubby root, dagger, awl, sheath and stung (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

Soil Preparation: The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment. Little or no plant refuse should be present on soil surface. Prior to application, the soil must be sufficiently moistened to allow seeds to swell (imbibe) in preparation for germination.

Prior to Application:

- Ensure that application equipment does not contain components made of natural rubber, aluminum, magnesium or their alloys.
- Soil in the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply ~~to wet or cold soils~~ when soils are too wet or too dry for good agricultural practices or too hot or too cold (<55°F or >90°F at a depth of 8 inches).
- Cover the areas to be treated ~~areas~~ with a standard tarp or highly retentive film ~~plastic tarpaulin~~.

During Application:

- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Application:

- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. ~~DO NOT PLANT if the odor of the chloropicrin is detectable.~~ See fumigation table for planting requirements.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHOD

Fumigation~~s~~ with MIDAS EC GOLD shall only be performed in accordance with the following application technique.

RAISED BED DRIP APPLICATION

Rates in the table below are given in pounds of MIDAS EC GOLD per broadcast acre. The amount of product applied will be proportionate to the row spacing and width of the raised bed. To calculate the amount of product to be applied, multiply the application rate in lbs MIDAS EC GOLD/broadcast acre by the appropriate modifier from the Field Rate Modifier Table below.

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre¹	Time Between Application and Planting²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	<u>Standard Tarp</u> 300 - 530 lbs/Broadcast Acre (19.8 – 35.1 gal/Broadcast Acre)	10 – 14 days ³
	Use with Highly Retentive Films ⁴ 175 – 200 lbs / Broadcast Acre (11.6 – 13.3 gal / Broadcast Acre)	14 – 21 days ^{3,4} <u>When using highly retentive film</u>

NOTE:

¹ For fields infested with Nutsedge and Malva, apply a minimum of 450 lbs/broadcast acre (29.8 gal/acre) of MIDAS EC GOLD with standard film and 250 lbs/broadcast acre (16.6 gal/acre) with highly retentive film.

² If tarps are cut for removal before planting, aerate a minimum of 24 hours after tarps are cut before removing tarps. Wait at least 5 days after application before cutting standard tarps. Wait at least 10 days after application before cutting highly retentive films.

²³ Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain ~~or persistence of chloropicrin odor in the soil.~~

³⁴ ~~Use of highly retentive films (e.g. VIF and approved Metallic) will require a rate reduction of up to 40-50% of the maximum use rate.~~ Contact your Arysta LifeScience representative for film selection and rate reduction

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre ¹	Time Between Application and Planting ²
<p>recommendations and approved films.</p> <p>4If highly retentive films are not removed, plant a minimum of 14 days after application, which includes the minimum 24 hours of aeration once the tarps have been cut. If the tarpaulins are not cut or aerated, prior to planting, the odor of chloropicrin must not be detectable. If odor of chloropicrin is detectable, wait a minimum of 21 days before planting to avoid possible plant injury.</p>		

Field Rate Modifier Table for Raised Bed Applications

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

- Apply this product only through buried drip tape. Do not use this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with MIDAS EC GOLD and capable of being fitted with a system interlock.

MIDAS EC GOLD APPLICATION INSTRUCTIONS FOR RAISED BED DRIP FUMIGATION

- Drip tape used to apply MIDAS EC GOLD may must be applied through drip tape buried 2-4 inches beneath the soil surface. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately; and cover the contaminated soil area with untreated clean soil to absorb the material; and tarp the contaminated area until 48 hours following the end of the application.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- Immediately prior to application of Midas EC Gold, the Certified Applicator must run water through the system to ensure that there are no leaks. Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

FOOD CROP ROTATION RESTRICTIONS

Food crops other than strawberry, tomatoes and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Crop rotation to non-food crops or non-bearing fruit or nut trees is not restricted.

ROTATIONAL CROPS

There are no crop rotation restrictions.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to

prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured. Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:
Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC Corporation ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent applicable by law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MIDAS® and the Midas logo are registered trademarks of Arysta LifeScience North America, LLC
Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience, LLC
MIDAS® is a registered trademark of Arysta LifeScience North America Corporation



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

66330-60

Date of Issuance:

SEP 29 2008

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

MIDAS™ EC GOLD

Name and Address of Registrant (include ZIP Code):

Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Provide a product training/stewardship program using criteria agreed upon with the Agency.
3. Satisfy any additional data requirements and add any additional risk mitigation as required by the Agency once the Agency makes a decision for the soil fumigant group.
4. Submit a label amendment within the same timeframe imposed on other soil fumigant registrants for similar label amendments.

The labeling subject to this conditional registration is the labeling accepted on October 11, 2007.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

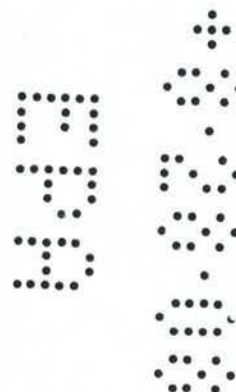
Signature of Approving Official:

Mary L. Waller

Mary L. Waller, Product Manager (21)
Fungicide Branch, Registration Division (7505P)

Date:

9/29/2008



Ms. Mary Waller
Product Management Team (21)
Fungicide-Herbicide Branch (H7505C)
Registration Division
Office of Pesticide Programs
Document Processing Desk (APPL)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Subject: Iodomethane Technical, EPA Reg. No. 66330-44; MIDAS®98:2, EPA Reg. No. 66330-43; MIDAS®50:50, EPA Reg. No. 66330-57; MIDAS®33:67, EPA Reg. No. 66330-59; MIDAS®25:75, EPA Reg. No. 66330-42; MIDAS®EC Gold, EPA Reg. No. 66330-60; and MIDAS®EC Bronze, EPA Reg. No. 66330-58

Mary Waller:

Arysta LifeScience North America LLC, respectfully requests that EPA extend the time-limited registration of Iodomethane Technical, EPA Reg. No. 66330-44; and all associated end use products MIDAS®98:2, EPA Reg. No. 66330-43; MIDAS®50:50, EPA Reg. No. 66330-57; MIDAS®33:67, EPA Reg. No. 66330-59; MIDAS®25:75, EPA Reg. No. 66330-42; MIDAS®EC Gold, EPA Reg. No. 66330-60; and MIDAS®EC Bronze, EPA Reg. No. 66330-58 to December 31, 2013. These registrations currently expire on October 5, 2008.

This date is being proposed as EPA has stated on page 25 of the recently issued draft Reregistration Eligibility Decision (RED) for Chloropicrin dated July 9, 2008 that "*EPA plans to move the soil fumigants forward in Registration Review, from 2017 to 2013, which will allow EPA to consider new data and information relatively soon, determine whether the mitigation included in this decision is effectively addressing the risks as EPA believes it will, and to include other soil fumigants which are not part of the current fumigant group review.*" We believe the date of December 31, 2013 is the most appropriate as iodomethane will be going through a data review at that time along with all other fumigants.

In the interim, Arysta commits to comply with all agreed and appropriate label call-in criteria as determined in the final RED for Chloropicrin as applicable to the premix products containing both chloropicrin and iodomethane.

Please note that MIDAS products are now registered in 46 states in the US, but all of these state registrations are contingent on the US EPA registration being renewed. As we discussed by telephone on August 27, there is some concern from our customers as to whether we will be able to get the product registrations extended. This concern is aided by our competitors. Consequently, Arysta requests that EPA grant an extension for these



Arysta LifeScience

registrations no later than **September 15, 2008**; in order to avoid a lapsing of the follow-on Iodomethane/MIDAS state registrations.

Thanks in advance for your consideration of this time extension. Should you have any concerns or questions, do not hesitate to contact me at 865-850-3824; or at becky.rhodes@arystalifescience.com.

Sincerely,

Becky Rhodes

Becky Rhodes
Head of Regulatory Affairs

CC: Cynthia Giles-Parker
Kathy Monk
Lois Rossi
Debbie Edwards



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

66330-60

Date of Issuance:

OCT 11 2007

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

10/11/2008

Name of Pesticide Product:

MIDAS™ EC Gold

Name and Address of Registrant (include ZIP Code):

Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change: Add the phrase "EPA Registration Number 66330-42".
3. Satisfy any additional data requirements and add any additional risk mitigation as required by the Agency once the Agency makes a decision for the soil fumigant group.
4. Submit a label amendment within the same timeframe imposed on other soil fumigant registrants for similar label amendments.
5. Submit one copy of the final printed label before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Mary L. Waller

Mary L. Waller, Product Manager (21)
Fungicide Branch, Registration Division (7505P)

Date:

10/11/2007

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MIDAS® EC GOLD

Only For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane 32.93%
Chloropicrin 61.69%
OTHER INGREDIENTS: 5.38%
TOTAL: 100.00%
One gallon weighs 15.1 pounds (5.0 pounds Iodomethane and 9.31 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything to an unconscious person.
HOT LINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952 or 1-651-532-8946	
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.	

ACCEPTED
with COMMENTS
In EPA Letter Dated:

10/11/2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pest **139** registered under EPA Reg. No. **66330-60**

EPA Reg. No. 66330-
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents:

Manufactured for
Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SPECIAL NOTE: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading colorimetric detector devices, such as Kitagawa tubes, certified for chloropicrin at 0.1 to 16 ppm. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the AGRICULTURAL USE REQUIREMENTS section below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers to include (tarp monitors and drip applicators) **must wear:**

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- Full face shield or safety glasses with brow, temple and side protection is required. DO NOT wear goggles.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C)

Other handlers (to include drip line tenders, planters, hole punchers, tarp cutters, tarp removers, and tarp remover drivers **must wear:**

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- Full face shield or safety glasses with brow, temple and side protection is required. DO NOT wear goggles.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.
- External sight gauges, if applicable, shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.
- Check equipment to ensure good condition and integrity prior to each use.

User Safety Requirements

- Do not wear jewelry, gloves, goggles, tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.
- Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met consistent with the Worker Protection Standard: (a) Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner; (b) Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (c) Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134); (d) Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
- Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only Certified Applicators (certified by both the state and Arysta) trained in the proper handling, worker protection, and application of MIDAS EC GOLD soil fumigant and workers under their direct supervision may be present in the treatment area during application. An Arysta and state Certified Applicator must be on site and within the line of sight to observe handlers during the application. Handling tasks to be performed under the direct supervision of a Certified Applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such personnel must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Buffer Zone

The area adjacent to the treated area is referred to as the buffer zone. The buffer zone shall extend from the edge of the treated area in all directions, See Buffer Zone Table. The minimum buffer zone distance shall be 25 feet.

The Certified Applicator supervising the soil fumigation is responsible for the following:

1. Calculating the appropriate size of the buffer zone that must be maintained during the first 48 hours following the end of the application;
2. Establishing and maintaining the buffer zone during the 48 hours following the end of the application; and
3. Ensuring that unprotected workers and bystanders do not enter the buffer zone during the 48 hours following the end of the application. Exception: Unprotected workers and bystanders may travel through (but not engage in any activity in) the buffer zone during the 48-hour period, provided their total exposure time in any 24-hour period is 15 minutes or less. However, travel by unprotected workers or bystanders through the fumigated area itself is prohibited during the entire 5-day Entry Restricted period. Handlers protected with Personal Protective Equipment (PPE) required for early entry into a treated area may work in buffer zones.

4. Ensuring application site has a distinctive buffer zone. The buffer zone of the field to be treated cannot overlap the buffer zone of another field treated within the last 48 hours.
5. The Certified Applicator supervising the soil fumigation must document how the buffer zone was determined, the location of unoccupied sensitive sites within $\frac{1}{4}$ mile of the fumigated area, and how persons in occupied structures located within the buffer zone were protected. These records must be maintained by the Certified Applicator and by the owner/operator of the fumigated site for at least two years following the fumigation and must be made available, upon request to Federal, State, Tribal, and local enforcement personnel

Determining Buffer Zone Distance

- Determine the size of the buffer zone using the following Buffer Zone Table.
- The size of the buffer zone will be dependant on the following three factors:
 - The number of field acres that are being treated with MIDAS EC Gold.
 - The pounds of MIDAS EC Gold that are being applied per treated acre.
 - Buffer zone reduction credits.

Buffer Zone Table

MIDAS EC Gold Application Rate (Lbs per Treated Acre) ⁴	SIZE OF FIELD IN ACRES (Buffer zone distance in feet) ^{1,2}							
	Up to 5 Acres	6 – 10 Acres	11-15 Acres	16- 20 Acres	21-25 Acres	26-30 Acres	31-35 Acres	36-40 ³ Acres
100	25	25	45	60	70	80	90	95
150	25	30	60	85	100	115	130	145
175	25	35	65	100	120	135	150	165
200	25	40	80	115	135	155	175	190
250	25	50	95	140	165	190	215	235
300	30	60	115	170	200	230	260	285
350	35	70	135	200	235	265	300	330
360	35	70	140	205	240	275	310	340
400	40	75	150	225	265	305	345	380
500	50	95	190	285	335	380	430	475
530	50	100	200	300	350	400	450	500

1. For rates not listed on this table, use the buffer zone for the next highest rate, or use the following calculation to determine the exact buffer zone distance:

$$\text{Buffer Zone for Application Rate Not Listed} = \frac{\text{Known Buffer Zone on Table} \times \text{Application Rate Not Listed}}{\text{Rate of Application for Known Buffer Zone}}$$

2. Buffer Zone Reduction Credits:

Reduce buffer zone by 10% for each factor listed below:

- Use of High Barrier films. High Barrier films for which credit can be applied must be on an Arysta approved list. Examples of Arysta approved films are Canslit Brand Metalized 1.3 ml, Pliant Blockade® VIF 1.25 ml, and Pliant Metalized 1.0-1.25.
- Application to soils having >3% organic matter refer to the USDA or USGS Soil Survey Maps for the treated area that identify the range of organic matter and / or a documented soil survey report that lists range of % organic matter for the treated area. Collection of samples for analysis of soil in the treated area should follow procedures as per USDA's Natural Resource Conservation Services methods. Information on soil sampling can be found at www.soil.usda.gov.

For example, if the Buffer Zone is 50 feet and the application qualifies for a buffer zone reduction credit such as use of high barrier film, then the buffer zone can be reduced by 10%, i.e. reduced by 5 feet based on the following calculation: $50 \text{ ft} - (50 \text{ ft} \times 10\%) = 45 \text{ feet}$.

If the application qualifies for two buffer zone reduction credits such as use of high barrier film and soil with >3% organic matter, then the buffer zone can be reduced by 20%, i.e. reduced by 10 feet based on the following calculation: $50 \text{ ft} - (50 \text{ ft} \times 20\%) = 40 \text{ feet}$.

3. Applications are limited to 40 contiguous acres or less per day on a single site.

4. For raised bed applications, the treated acre is the raised bed, not the untreated furrows. As an example, if a raised bed field is 50% raised bed (treated) and 50% furrow (untreated), and 350 lbs of MIDAS EC GOLD is applied to the field, then the effective application rate to the treated raised bed is 350 lbs per treated acre; and that is the rate that would determine the buffer zone.

Note: Minimum allowable buffer zone is 25 feet regardless of buffer zone reduction credits.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 5 days after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Early entry under the WPS is limited to tarp inspection and repair. Non-handler entry is prohibited while tarps are being removed.

See the Buffer Zone section of the label for additional Entry Restrictions.

Notification at Entrances to Treated Areas

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to the treated area for no less than 5 days after application. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) MIDAS EC GOLD
- (6) Name, address, and telephone number of the Certified Applicator.

Post these fumigant warning signs for treated areas instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE for Reentry during the Entry-Restricted Period

The PPE required for reentry during the entry-restricted period are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA / NIOSH approved number prefix TC-23C).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. All uses of this fumigant are covered under the Worker Protection Standard, and must be conducted in accordance with all of the requirements of the Worker Protection Standard, (40 CFR Part 170). It is a restricted use pesticide that must only be used by or under the direct supervision of individuals trained and certified in its proper use. Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

GENERAL USE PRECAUTIONS

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
- Comply with all local ordinances and regulations.
- Do not apply within ¼ mile of any occupied sensitive site such as schools, day care facilities, nursing homes, hospitals, prisons, and playgrounds.
- Applications are limited to 40 contiguous acres or less per day on a single site. .
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. In addition, consult the local weather forecast in the surrounding region for reports of expected inversion layers the day of application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two trained employees must be present during handling and application of soil fumigants.
- Certified Applicators are responsible for providing information to all workers involved with the fumigation about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to workers in the mechanical operation of the tractor and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all workers positioned "upwind" from the container and/or where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to soil injection.
- When fumigating from a tractor, it is required that 5 gallons of water be carried on the tractor and readily available for rinsing and cleaning purposes. An additional 5 gallons of water must be available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking.
- For raised bed drip applications, keep all pets, livestock and other domestic animals out of the treated areas for 5 days and until the air concentration for chloropicrin is less than 0.1 ppm at the edge of the treated area. Most raised bed applications will not result in tarp removal.
- Tarp removal requires a minimum of two trained employees to be present during the operation. Non-handler personnel are prohibited from being present during tarp removal.
- See AGRICULTURAL USE REQUIREMENTS box for details regarding posting and placement of warning signs.
- Do not allow entry by unprotected persons into the fumigated area until the re-entry signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 5 days following application. Signs must remain legible during entire posting period. Also, do not cut tarps for planting until these conditions have been met.

- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site as determined by 3 consecutive measurements taken at the down wind edge of the treated site at least 15 minutes apart.

SPILL AND LEAK PROCEDURES

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipped handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm as specified in section above.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.9 gallons of product) to the National Response Center at 1-800-424-8802.

PROCEDURES PRIOR TO, DURING AND AFTER DRIP APPLICATION

CONTROL OF SOIL BORNE PESTS: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases.

Midas EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morning glory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, sting, stubby root, dagger, awl, sheath and stung (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

Soil Preparation: The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment. Little or no plant refuse should be present on soil surface. Prior to application, the soil must be sufficiently moistened to allow seeds to swell (imbibe) in preparation for germination.

Prior to Application:

- Ensure that application equipment does not contain components made of natural rubber, aluminum, magnesium or their alloys.
- Soil in the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply to wet or cold soils (<55°F at a depth of 8 inches).
- Cover the treated areas with a plastic tarpaulin.

During Application:

- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Application:

- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. DO NOT PLANT if the odor of the chloropicrin is detectable. See fumigation table for planting requirements.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHOD

Fumigations with MIDAS EC GOLD shall only be performed in accordance with the following application technique.

RAISED BED DRIP APPLICATION

Rates in the table below are given in pounds of MIDAS EC GOLD per broadcast acre. The amount of product applied will be proportionate to the row spacing and width of the raised bed. To calculate the amount of product to be applied, multiply the application rate in lbs MIDAS EC GOLD/broadcast acre by the appropriate modifier from the Field Rate Modifier Table below.

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Broadcast Acre¹	Time Between Application and Planting²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	300 - 530 lbs/Broadcast Acre (19.8 – 35.1 gal/Broadcast Acre)	10 – 14 days
	Use with Highly Retentive Films 175 – 200 lbs / Broadcast Acre (11.6 – 13.3 gal / Broadcast Acre)	14 – 21 days ^{3,4}

NOTE:

- ¹ For fields infested with Nutsedge and Malva, apply a minimum of 450 lbs/acre (29.8 gal/acre) of MIDAS EC GOLD.
- ² Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain or persistence of chloropicrin odor in the soil.
- ³ Use of highly retentive films (e.g. VIF and approved Metallic) will require a rate reduction of up to 40-50% of the maximum use rate. Contact your Arysta LifeScience representative for rate reduction recommendations and approved films.
- ⁴ If highly retentive films are not removed, plant a minimum of 14 days after application, which includes the minimum 24 hours of aeration once the tarps have been cut. If the tarpaulins are not cut or aerated, prior to planting, the odor of chloropicrin must not be detectable. If odor of chloropicrin is detectable, wait a minimum of 21 days before planting to avoid possible plant injury.

Field Rate Modifier Table for Raised Bed Applications

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

- Apply this product only through buried drip tape. Do not use this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regulatory serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with MIDAS EC GOLD and capable of being fitted with a system interlock.

MIDAS EC GOLD APPLICATION INSTRUCTIONS FOR RAISED BED DRIP FUMIGATION

- MIDAS EC GOLD may be applied through drip tape buried 2-4 inches beneath the soil surface. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately and cover the contaminated soil area with clean soil to absorb the material.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

FOOD CROP ROTATION RESTRICTIONS

Food crops other than strawberry, tomatoes and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Crop rotation to non-food crops or non-bearing fruit or nut trees is not restricted.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:

Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America Corporation ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent applicable by law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.



Arysta LifeScience

September 4, 2007

Ms. Mary Waller
Product Management Team (21)
Fungicide-Herbicide Branch (H7505C)
Registration Division
Office of Pesticide Programs
Document Processing Desk (APPL)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Subject: MIDAS®EC GOLD
EPA File Symbol 66330-AN
Application for Pesticide Registration

Dear Ms. Waller,

Arysta LifeScience North America herewith submits the enclosed application for pesticide registration of MIDAS®EC GOLD (32.93% Iodomethane:61.69% Chloropicrin) as an end use product in accordance with Section 3 of the Federal Insecticide, Fungicide and Rodenticide Act as amended. The enclosed registration application consists of one administrative volume which contains the following information:

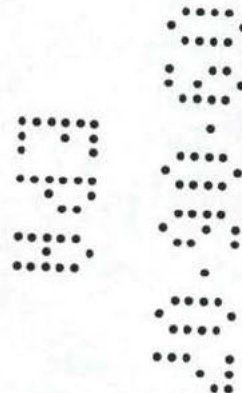
- Transmittal Letter
- Application Form for Pesticide Registration (8570-1)
- A Confidential Statement of Formula (CSF) (8570-4)
- Five paper copies of the proposed product label
- Certification With Respect to Data Citation (8570-34)
- A data matrix listing the studies being cited (8570-35).
- Formulator's Exemption Statement (8570-27)

The enclosed revised CSF is consistent with one submitted by Laurent Mezin on September 1, 2006 with the exception of slight rounding errors which have been corrected in Box 13 and 14. Also, please note that [REDACTED] had previously incorrectly been listed as an active ingredient. This has now been correctly included in the "OTHER INGREDIENTS" section of the label. We are looking forward to working with you to complete this registration action. Should you have any questions concerning this matter, please feel free to contact me at the coordinates listed below:

Sincerely,

Abraham J. Tobia, PhD, MS
Regulatory Manager/Toxicology Manager
T: (919) 678-4886
F: (919) 678-2194
M: (919) 793-8889
<mailto:abe.tobia@arystalifescience.com>

cc: B. Rhodes
R. Tinsworth
M. Allan
B. Milesen (cover only)
A. Lawyer





United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Arysta LifeScience North America / 66330-AN	2. EPA Product Manager Mary Waller	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Arysta LifeScience North America / Midas EC Gold	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America Corporation 15401 Weston Parkway, Suite 150, Cary, NC 27513 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Modification of Label per discussions with EPA

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Text		<input checked="" type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 25, 110, 400 gals		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Abraham J. Tobia, Ph.D.	Title Manager Regulatory/ Toxicology Manager	Telephone No. (Include Area Code)
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		
2. Signature 	3. Title Manager Regulatory/ Toxicology Manager	6. Date Application Received (Stamped)
4. Typed Name Abraham J. Tobia, Ph.D.	5. Date August 29, 2007	

PAPERWORK REDUCTION ACT NOTICE: Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (21383, U.S. Environmental Protection Agency, 401 M Street SW, Washington, DC 20460.

INSTRUCTIONS: This form is to be used for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-273);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

Submission of Labeling - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 14 inch file. Mockup labels significantly smaller than 8.6 x 11 inches should be mounted on 8.5 X 11 inch paper for submission.

Submission of Data - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

Specific Instructions: Please read the instructions listed below before completing this application. First determine the type of registration section, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc. Sections I, II, and IV must be completed by the applicant. Block A - Check the appropriate action for which you are submitting this form.

Section I - This section must be completed, as applicable, for all registration actions.

1. Company Product Number - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned for you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. EPA Product Manager - If known, fill in the name and PM number of the EQA Product Manager.
3. Proposed Classification - Specify the proposed classification of this product.
4. Product Name - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. Name and Address of Applicant - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. Expedited Review - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

Section II - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission for notifications to the Agency, for the submission of final printed labeling, for in response to an Agency letter, reregistration aid for any other action that pertains to a registered product. This section is not to be used for a new application for registration.

1. Subject of submission - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

Section III (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. Type of Packaging - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. Types of Retail Container - Indicate type of container in which product will be marketed.
3. Location of Net Contents - Indicate the location of the net contents information for your product.
4. Size(s) of Retail Container - Specify the net contents of all retail containers for your product.
5. Location of Use Directions - Indicate the location of the use directions for your product.
6. Manner in which labels is affixed to product - Indicate the method product label is attached to retail container.

Section IV - Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only



**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MIDAS® EC GOLD

For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane.....	32.93%
Chloropicrin	61.69%
OTHER INGREDIENTS:	5.38%
TOTAL:	100.00%

One gallon weighs 15.1 pounds (5.0 pounds Iodomethane and 9.31 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
HOT LINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE: Call PROSAR at 1-866-303-6952	
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.	

EPA Reg. No. 66330-
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents:

Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

CHLOROPICRIN WARNING: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading devices, such as Kitagawa tubes, certified for chloropicrin. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the AGRICULTURAL USE REQUIREMENTS section below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C).
- When handling the product (e.g. the mixer/loader), full face shield or safety glasses with brow, temple and side protection is required. DO NOT wear goggles.
- Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.

- External sight gauges, if applicable, shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all cylinder connections and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.

User Safety Requirements

- Do not wear jewelry, gloves, goggles, tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only certified applicators and workers under their direct supervision trained in the proper handling, worker protection and application of MIDAS EC GOLD soil fumigant may be present in the treatment area during application. Application tasks that require certification or to be performed under the direct supervision of a certified applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such personnel must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 48 hours after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Non-handler entry is prohibited while tarps are being removed.

Entry Restrictions into the Fumigation Buffer Zones are defined in the Section "Prohibition of Entry into Fumigation Buffer Zones" below.

Notification at Entrances to Treated Areas and Fumigation Buffer Zones

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to the treated area for no less than 48 hours. In addition, warning signs, if required, shall be posted at all likely entrances to the Fumigation Buffer Zone (see Prohibition of Entry into Fumigation Buffer Zones below) for the first ____ hours following application. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) MIDAS EC GOLD
- (6) Name, address, and telephone number of the applicator.

Post these fumigant warning signs for treated areas instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

Prohibition of Entry into Fumigation Buffer Zones

- The area adjacent to the treated area is referred to as the Fumigation Buffer Zone.
- The Fumigation Buffer Zone shall extend from the edge of the treated area in all directions, to a distance calculated per the directions below. The minimum Fumigation Buffer Zone distance shall be ____ feet from the edge of the treated area.
- Any activity which results in a person being present within the Fumigation Buffer Zone during the ____ hour period following application is prohibited unless the task is permitted under the WPS. Correctly trained handlers wearing appropriate PPE and performing a task that is permitted by this labeling may enter inside the Fumigation Buffer Zone.
- Examples of activities that are prohibited are work or recreation within a Fumigation Buffer Zone, or occupation of structures that are within a Buffer Zone during the period that the Fumigation Buffer Zone is in effect.
- Examples of activities that are not prohibited are driving past the treated field in an area that would otherwise be within the boundary of the Fumigation Buffer Zone.

Determining Distance for Fumigation Buffer Zone

- The size of the Fumigation Buffer Zone will be dependant on the following two factors:
 - The number of field acres that are being treated with MIDAS EC GOLD.
 - The pounds of MIDAS EC GOLD that are being applied per field acre (referred to as the "field equivalent rate").
- The Fumigation Buffer Zone distance shall be determined as follows:
 - For raised bed applications, the "treated acreage" differs from the "field acreage" because only the rows are treated. As raised bed width and row spacing vary, the amount of product applied per field acre will also vary. Since Fumigation Buffer Zones must be determined from the application rate per *field acre*, it is necessary for raised bed applications to translate the application rate per *treated acre* into the application rate per *field acre*. To calculate the *field acreage* rate equivalent from the actual raised bed application rate, multiply the application rate (which is in lbs MIDAS EC GOLD/treated acre - see Raised Bed Soil Fumigant Table below) by the appropriate Raised Bed Drip Fumigation Field Rate Modifier from the following table.

Raised Bed Drip Fumigation Field Rate Modifier Table

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

For example, the field acre-equivalent rate for application using 72 inch row spacing and 36 inch bed width for an application of 300 lbs MIDAS EC GOLD per treated acre is 300 lbs product / Treated Acre x 0.50 = 150 lbs product /Field Acre.

[INSERT FUMIGATION BUFFER ZONE TABLE HERE]
[INSERT PREVAILING WIND BUFFER ZONE GUIDANCE]

PPE for Reentry during the Entry-Restricted Period

Reentry within the treated area within the 48 hour restricted period is limited to inspection and repair of tarping material allowed by this labeling and or tasks permitted under the WPS. The PPE required for these tasks are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. It is a restricted use pesticide that must only be used by or under the direct supervision of individuals trained and certified in its proper use. Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

CONTROL OF SOIL BORNE PESTS: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases.

Midas EC GOLD will control the following pests when present in soil at the time of treatment:

Weed Seeds, including broadleaf weeds such as nutsedge, pigweed, broomrape and lambsquarters, and grasses such as bermudagrass, and annual bluegrass. Effectiveness against hard seed weeds, such as mallow, dodder, morningglory, and certain leguminous weeds may be variable.

Plant-parasitic Nematodes, such as root-knot, root lesion (meadow), cyst, citrus, burrowing, false root-knot, lance, spiral, ring, sting, stubby root, dagger, awl, sheath and stung (stylet) nematodes.

Soil-borne Insects, such as wireworms, cutworms, grubs, rootworms, ants and garden symphylans.

Soil-borne Diseases, such as *Verticillium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, and *Fusarium*.

MIDAS EC GOLD is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

PROCEDURES AND SAFETY MEASURES PRIOR TO, DURING AND AFTER DRIP APPLICATIONS

Soil Preparation: The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment. Little or no plant refuse should be present on soil surface. Prior to application, the soil must be sufficiently moistened to allow seeds to swell (imbibe) in preparation for germination.

Prior to Application:

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
 - The applicator (or supervisor of the application) must placard all likely entrances to the fumigated area with signs per Notification at Entrances to Treated Areas (see Agricultural Use Requirements).
- Comply with all local ordinances and regulations.
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. Consult the local weather forecast in the surrounding region for reports of expected inversion layers the day of application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two trained people must be present during handling and application of soil fumigants.

- Certified applicators are responsible for providing information to all workers under their supervision about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to workers in the mechanical operation of the chemigation equipment and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all workers positioned "upwind" from the container and where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to soil injection.
- When fumigating, it is required that 5 gallons of water be within close proximity to the treated area and readily available for rinsing and cleaning purposes. An additional 5 gallons of water must be available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."
- Soil in the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply to wet or cold soils (<55°F at a depth of 8 inches).

During Application:

- Prior to the application or immediately after application cover the treated areas with a plastic tarpaulin.
- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Application:

- Keep all pets, livestock and other domestic animals out of the treated areas until after the end of the fumigant period (typically 48 hours) and/or air concentration of chloropicrin is less than 0.1 ppm at the edge of the treated area.
- Do not allow entry by unprotected persons into the fumigated area until the signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 48 hours following application. Signs must remain legible during entire posting period. See AGRICULTURAL USE REQUIREMENTS box for details regarding posting and placement of warning signs.
- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site.
- To minimize the potential for crop injury, allow the fumigant to dissipate before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. DO NOT PLANT if the odor of the chloropicrin is detectable. See fumigation table for planting requirements.

Spill and Leak Procedures:

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind to repair leak(s), if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipment handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 300 lbs (19.87 gallons of product) to the National Response Center at 1-800-424-8802.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHOD

Fumigations with MIDAS EC GOLD shall be performed in accordance with the following application technique: 1) Raised bed drip application.

RAISED BED DRIP APPLICATION

Raised bed applications are made at a maximum rate of 530 lbs product per treated acre. The amount of product applied will be proportionate to the row spacing and width of raised bed (refer to the FIELD RATE MODIFIER TABLE).

RAISED BED DRIP APPLICATION TABLE		
Crop	MIDAS EC GOLD Per Treated Acre ¹	Time Between Application and Planting ²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	300 - 530 lbs/Treated Acre (19.8 – 35.1 gal/Treated Acre)	10 – 14 days
	Use with Highly Retentive Films 175 – 200 lbs / Treated Acre (11.6 – 13.3 gal / Treated Acre)	14 – 21 days ^{3,4}
NOTE: ¹ For fields infested with Nutsedge and Malva, apply a minimum of 450 lbs/acre (29.8 gal/acre) of MIDAS EC GOLD. ² Use the longer planting restriction period under conditions of high soil moisture, heavy soils, or rain or persistence of chloropicrin odor in the soil. ³ Use of highly retentive films (e.g. VIF and approved Metallic) will require a rate reduction of up to 40-50% of the maximum use rate. Contact your Arysta LifeScience representative for rate recommendations and approved films. ⁴ If highly retentive films are not removed, planting can occur a minimum of 14 days after application, which includes the minimum 24 hours of aeration once the tarps have been cut. If the tarpaulins are not cut or aerated, prior to planting, the odor of chloropicrin must not be detectable. If odor of chloropicrin is detectable, wait a minimum of 21 days before planting to avoid possible plant injury.		

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

- Apply this product only through buried drip tape or equivalent irrigation system. Do not use this product through any other type of irrigation system.
- Only a person knowledgeable of the chemigation system and responsible for its operation, or persons under their direct supervision shall operate the system and make the necessary adjustments, should the need arise.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regulatory serves an average of at least 25 individuals daily at least 60 days out of the year.

- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

MIDAS EC GOLD APPLICATION INSTRUCTIONS FOR RAISED BED DRIP FUMIGATION

- Apply MIDAS EC GOLD through buried drip tape. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- .
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately and cover the contaminated soil area with clean soil to absorb the material.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- The pesticide injection pipeline must contain a functional, automatic quick-closing check valve to prevent the flow of fluid back toward the chemical supply or injection pump.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Pump types must be suitable for the injection of corrosive materials and capable of being fitted with a system interlock. Injection systems must use a metering pump, such as a positive displacement or diaphragm pump, venturi system or a pressure safe cylinder containing MIDAS EC GOLD equipped with a metering valve and flow meter.
- Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed

for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

FOOD CROP ROTATION RESTRICTIONS

Food crops other than strawberry, tomatoes and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Crop rotation to non-food crops or non-bearing fruit or nut trees is not restricted.

STORAGE, HANDLING AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders shall not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers shall never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:

Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

1. The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America Corporation ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.
2. Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.
3. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF**

PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

4. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MIDAS is a registered trademark of Arysta LifeScience North America Corporation



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Arysta LifeScience North America Corporation 15401 Weston Parkway, Suite 150, Cary, NC 27513	EPA Registration Number/File Symbol 66330-AN
Active Ingredient(s) and/or representative test compound(s) Iodomethane	Date 08/24/2007
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Fumigant	Product Name Midas EC Gold

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☒ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☐ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 08/24/2007	Typed or Printed Name and Title Abraham Tobia - Regulatory & Toxicology Manager
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date August 28, 2008		EPA Reg No./File Symbol 66330-AN		Page 1 of 3	
Applicant's/Registrant's Name & Address		Arysta LifeScience North America Corporation 15401 Weston Parkway, Suite 150, Cary, NC 27513 Product: Midas EC Gold			
Ingredient: Iodomethane					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.0000	Submission for TM-42501	46476301	Arysta LifeScience North America	OWN	
830.1550	Product Identity and Composition	46476301	Arysta LifeScience North America	OWN	
830.1600	Description of Materials Used to Produce Product	46476301	Arysta LifeScience North America	OWN	
830.1650	Description of Formulation Process	46476301	Arysta LifeScience North America	OWN	
830.1670	Discussion of Formation of Impurities	46476301	Arysta LifeScience North America	OWN	
830.1700	Preliminary Analysis	46476301	Arysta LifeScience North America	OWN	
830.1750	Certified Limits	46476301	Arysta LifeScience North America	OWN	
830.1800	Enforcement of Analytical Method	46476301	Arysta LifeScience North America	OWN	
830.6302	Color	46476301	Arysta LifeScience North America	OWN	
830.6303	Physical State	46476301	Arysta LifeScience North America	OWN	
830.6304	Odor	46476301	Arysta LifeScience North America	OWN	
830.6314	Oxidation/Reduction: Chemical Compatibility	46476301	Arysta LifeScience North America	OWN	
830.6315	Flammability	46476301	Arysta LifeScience North America	OWN	
830.6316	Explosibility	46476301	Arysta LifeScience North America	OWN	
830.6317	Storage Stability	47053201	Arysta LifeScience North America	OWN	
Signature		Name and Title: <i>Abraham Tobia</i> Regulatory Manager/ Toxicology			
Date		Date: 8/28/2007			

401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

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DATA MATRIX

Date August 28, 2008		EPA Reg No./File Symbol 66330-AN		Page 3 of 3	
Applicant's/Registrant's Name & Address		Product: Midas EC Gold			
Ingredient: Iodomethane					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100	Acute Oral Toxicity	46422702	Arysta LifeScience North America	OWN	
870.1200	Acute Dermal Toxicity	46422702	Arysta LifeScience North America	OWN	
870.1300	Acute Inhalation Toxicity	46422702	Arysta LifeScience North America	OWN	
870.2400	Acute Eye Irritation	46422702	Arysta LifeScience North America	OWN	
870.2500	Acute Dermal Irritation	46422702	Arysta LifeScience North America	OWN	
870.2600	Skin Sensitization	46422702	Arysta LifeScience North America	OWN	
Signature		Name and Title: Abraham Tobia Regulatory Manager/ Toxicology		Date: 8/28/2007	

EPA Form 8570-35 (9-97) Electronic and Paper versions available.

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DATA MATRIX

Date August 28, 2008	EPA Reg No./File Symbol 66330-AN	Page 2 of 3			
Applicant's/Registrant's Name & Address Arysta LifeScience North America Corporation 15401 Weston Parkway, Suite 150, Cary, NC 27513	Product: Midas EC Gold				
Ingredient: Iodomethane					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Arysta LifeScience North America	OWN	
			Arysta LifeScience North America	OWN	
			Arysta LifeScience North America	OWN	
			Arysta LifeScience North America	OWN	
			Arysta LifeScience North America	OWN	
			Arysta LifeScience North America	OWN	
Signature	<i>Abraham N. Tobia</i>	Name and Title: Abraham Tobia Regulatory Manager/ Toxicology			Date: 8/28/2007

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DATA MATRIX					
Date August 28, 2008	Applicant's/Registrant's Name & Address Anyta LifeScience North America Corporation 15401 Weston Parkway, Suite 150, Cary, NC 27513		EPA Reg No./File Symbol 66330-AN	Page 3 of 3	
Ingredient: Iodomethane			Product: Midas EC Gold		
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Anysta LifeScience North America	OWN	
			Anysta LifeScience North America	OWN	
			Anysta LifeScience North America	OWN	
			Anysta LifeScience North America	OWN	
			Anysta LifeScience North America	OWN	
			Anysta LifeScience North America	OWN	
Signature	<i>Abraham N. Tobia</i>		Name and Title: Abraham Tobia Regulatory Manager/ Toxicology		Date: 8/28/2007

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 United States Environmental Protection Agency
 Washington, D.C. 20460

Formulator's Exemption Statement
(40 CFR 152.85)

Applicant's Name and Address	EPA File Symbol/Registration Number	66330-AN
	Product Name	MIDAS@EC GOLD
	Date of Confidential Statement of Formula (EPA Form 8570-4)	8/30/07

As an authorized representative of the applicant for registration of the product identified above, I hereby certify that:

(1) This product contains the following active ingredient(s): chloropicrin

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging of another product which contains that active ingredient, which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA Form 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
Chloropicrin		
Chloropicrin		
Chloropicrin		
Product ingredient source information may be entitled to confidential treatment		
Signature	Name and Title	Date
<i>Abraham J. Tobia</i>	Abraham J. Tobia - Regulatory Manager	August 31, 2007



Arysta LifeScience

June 25, 2007

Office of Pesticide Programs
Document Processing Desk (APPL)
U.S. Environmental Protection Agency
Room S-4900
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attn: Mary Waller, Product Manager 21
(703) 308-9354

Subject: Submission of Iodomethane Labels:

1. Midas[®] Technical (**EPA File # 66330-UU**) ✓
2. Midas[®] 98:2 (**EPA File # 66330-UG**) ✓
3. Midas[®] 50:50 (**EPA File # 66330-LT**) ✓
4. Midas[®] 33:67 (**EPA File # 66330-LO**) ✓
5. Midas[®] 25:75 (**EPA File # 66330-UE**) ✓
6. Midas[®] EC GOLD (**EPA File # 66330-AN**) ✓
7. Midas[®] EC BRONZE (**EPA File # 66330-LI**) ✓

Dear Ms. Waller,

Arysta LifeScience North America is formally submitting five copies each of the subject labels. These labels have been modified with the most recent label language which includes use and application rates. We have not included any information pertaining to buffer zones as we have not received the Agency's risk assessment incorporating Human Equivalent Concentrations which would allow us to perform these calculations. We look forward to receiving the draft risk assessment as soon as possible.

As a convenience, I will additionally send these labels in pdf format in an email to you.

If you should have any questions concerning this matter, please feel free to contact me at the coordinates listed here:

Abraham J. Tobia, PhD, MS
Regulatory Manager/Toxicology Manager
T: (919) 678-4886
F: (919) 678-2194
M: (919) 793-8889
<mailto:abe.tobia@arystalifescience.com>



Arysta LifeScience

Sincerely,

Abraham J. Tobia

Abraham J. Tobia, PhD, MS
Regulatory Manager/Toxicology Manager

cc (cover only):

B. Rhodes
R. Tinsworth
M. Allan
B. Mileson
A. Lawyer

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MIDAS® EC GOLD

For Pre-Plant Fumigations of Fields Intended for Commercial Production of Listed Crops and Field-Grown Ornamentals, for the Control of Soil-Borne Pests Including Weed Seeds, Nematodes, Insects, and Diseases.

ACTIVE INGREDIENTS:

Iodomethane	83.00%
Chloropicrin	62.00%
TM-456	5.00%
TOTAL:	100.00%

One gallon weighs 15.1 pounds (5.0 pounds Iodomethane and 9.36 pounds Chloropicrin).

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID

If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.

HOT LINE NUMBERS

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE:

Call PROSAR at 1-866-303-6952

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Symptoms of overexposure may include irritation to eyes, skin, and respiratory system, shortness of breath, nausea, vomiting, dizziness, ataxia, slurred speech, drowsiness, blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Treatment is symptomatic.

EPA Reg. No. 66330-
EPA Est. No.

For Product Information Call: 1-866-761-9397

Net Contents:

Arysta LifeScience North America Corporation
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PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. May be fatal if inhaled or swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

CHLOROPICRIN WARNING: This product contains chloropicrin, a poisonous liquid or vapor. Inhalation of vapors may be fatal. Chloropicrin is readily identified by smell. Exposure to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation is evident or higher concentrations may cause painful irritation to the eyes or temporary blindness. Liquid will cause chemical burns to skin or eyes. Do not get on skin, in eyes, or on clothing. Chloropicrin fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic-stricken and that in turn may lead to accidents.

AIR CONCENTRATION LEVEL

Air concentrations of chloropicrin are measured with direct reading devices, such as Kitagawa tubes, certified for chloropicrin. Persons involved in the application of MIDAS® EC GOLD or in reentry into treated fields must wear an air-purifying respirator when required by the restrictions given in the AGRICULTURAL USE REQUIREMENTS section below. In case of spills or leaks, additional respiratory protection must be worn as detailed under Spill and Leak Procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C).
- When handling the product (e.g. the mixer/loader), full face shield or safety glasses with brow, temple and side protection is required. DO NOT wear goggles.

ENGINEERING CONTROL REQUIREMENTS

MIDAS EC GOLD must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with the liquid.

- All hoses, piping, and tanks used in connection with this product shall be of a type appropriate for use under the pressure and vacuum conditions to be encountered.

- External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of product when the transfer is stopped and hose is removed or disconnected. A dry coupler that will minimize pesticide leakage must be installed at the disconnect point.
- The pressure in hoses used to move the product must not exceed the manufacturer's maximum pressure specifications.

User Safety Requirements

- Do not wear jewelry, gloves, goggles, tight clothing or any rubber protective clothing/boots that can trap iodomethane or chloropicrin vapors against your skin. Iodomethane and chloropicrin vapors can be trapped inside clothing and cause skin injury.
- Remove all clothing that comes in contact with liquid material at once.
- Aerate all affected clothing thoroughly prior to washing with hot water and detergent.
- Discard any clothing or absorbent materials (e.g. leather), that have been drenched or heavily contaminated with this product. Do not reuse them.

Follow PPE manufacturer's instructions for cleaning / maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside, then wash skin thoroughly and put on clean clothing. If clothing is drenched or heavily contaminated with this product, discard clothing or absorbent materials (e.g. leather). Do not reuse them.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flames, or sparking electrical equipment. Do not use application devices containing natural rubber, aluminum, magnesium or their alloys.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only certified applicators and workers under their direct supervision trained in the proper handling, worker protection and application of MIDAS EC GOLD soil fumigant may be present in the treatment area during application. Application tasks that require certification or to be performed under the direct supervision of a certified applicator include, but are not limited to the co-applicator or any other person directly involved with the injection or monitoring of MIDAS EC GOLD through chemigation. All such personnel must have appropriate protective equipment, as described in the PERSONAL PROTECTIVE EQUIPMENT section. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restrictions

Entry into the treated area (including early entry that would otherwise be permitted under the WPS) by any person, other than a correctly trained and equipped handler who is performing a task that is permitted by this labeling, is PROHIBITED from the start of the application until 48 hours after application and the air concentration of chloropicrin is measured to be less than 0.1 ppm. Non-handler entry is prohibited while tarps are being removed.

Notification at Entrances to Treated Areas

Notify all workers of the fumigation verbally and by posting warning signs at all likely entrances to treated areas. The signs must bear the skull and crossbones symbol and state:

- (1) "DANGER/PELIGRO"
- (2) "Areas under fumigation, DO NOT ENTER/NO ENTRE"
- (3) Iodomethane and Chloropicrin Fumigants In Use
- (4) Date and time of fumigation
- (5) Name of this product
- (6) Name, address, and telephone number of the applicator.

Post these fumigant warning signs instead of the WPS signs for these applications but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal. These fumigant warning signs shall be posted for no less than 48 hours after treatment.

PPE for Reentry during the Entry-Restricted Period

Reentry within the treated area within the 48 hour restricted period is limited to inspection and repair of tarping material allowed by this labeling and or tasks permitted under the WPS. The PPE required for these tasks are:

- Loose fitting or well ventilated long-sleeved shirt and long pants.
- Shoes plus socks.
- An air-purifying respirator with a 3M Brand No. 60928 cartridge filter, or equivalent (MSHA/NIOSH approved number prefix TC-23C).

GENERAL INFORMATION AND INSTRUCTIONS

This fumigant is a highly hazardous material. It is a restricted use pesticide that must only be used by or under the direct supervision of individuals trained and certified in its proper use. Before using, read the entire label and follow all use directions and precautions. All persons working with this fumigant must be knowledgeable about the hazards and trained in the use of required air-purifying respirator equipment and detector devices, emergency procedures and proper use of the fumigant.

SOIL BORNE PESTS CONTROLLED: MIDAS EC GOLD controls soil-borne pests including nematodes, insects, weed seeds, and diseases such as those caused by *Phytophthora*, *Pythium*, *Fusarium*, *Verticillium* and *Rhizoctonia*. Soil fumigation using MIDAS EC GOLD must be conducted according to directions and conditions of use described in this label. Application of this product will control only those pests present in the soil at time of soil treatment. It is not to be used as a preventative treatment for pests that may be introduced after the fumigant has been applied and/or tarps removed. To reduce the potential for the re-introduction of pests (nematodes, weed seed and disease); avoid the use of irrigation

water, transplants or equipment that could carry pests into the planting area. Avoid moving infested soil back into the treated area through cultivation or other means.

SOIL PREPARATION: Prior to the application of soil fumigants, the ground must be sufficiently moist to allow seeds to swell (imbibe) in preparation for germination. The soil should be worked to the depth that is desirable for the fumigant to penetrate. Plant refuse should be worked into the soil and allowed enough time to decompose prior to treatment with soil fumigants.

PRECAUTIONS FOR USAGE PRIOR TO, DURING AND AFTER SOIL FUMIGATION

Fumigation of highly acid soils or those high in organic matter can cause ammonia toxicity to plants and or elevated levels of soluble salts in the soil. Fertilize as indicated from soil analysis following fumigation and avoid those fertilizers using ammonium salts.

Prior to Fumigation:

- Follow all local government instructions for posting of treated areas and post all treated areas with warning signs:
 - The applicator (or supervisor of the application) must placard all likely entrances to the fumigated area with signs bearing the following:
 - Skull and crossbones symbol
 - "DANGER/PELIGRO"
 - "Area under fumigation. DO NOT ENTER/NO ENTREE."
 - "Iodomethane and Chloropicrin Fumigants in Use."
 - The date and time of fumigation
 - Name of this product
 - The name, address, and telephone number of the applicator.
- Comply with all local ordinances and regulations.
- Do not apply this product in the presence of ground fog, inversion layers or when the potential for an inversion layer is likely to occur as this may result in product drift outside the treated area. A smoke generator can be used to indicate the presence of an inversion layer if the smoke column does not rise in a vertical pattern. Consult the local weather forecast in the surrounding region for reports of expected inversion layers during application and within the 24 hour period following applications of MIDAS EC GOLD.
- Never fumigate alone. A minimum of two trained people must be present during handling and application of soil fumigants.
- Certified applicators are responsible for providing all other workers information about precautions and procedures in the safe handling, worker protection and application of MIDAS EC GOLD for soil fumigation.
- Additional instructions must be made available to workers in the mechanical operation of the chemigation equipment and how to safely work with the operator while fumigating.
- Always handle this product in the open, with all workers positioned "upwind" from the container and where there is adequate ventilation.
- Check the fumigation system for leaks or worn out equipment prior to soil injection.
- When fumigating from a tractor, it is required that 5 gallons of water be carried on the tractor and readily available for rinsing and cleaning purposes. An additional 5 gallons of water must be available in the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."
- Soil preparation of the treatment area should be reasonably free of trash and in good tilth prior to soil treatment.
- Do not apply to wet or cold soils (<55°F at a depth of 8 inches).

During Fumigation:

- Immediately cover treated areas with a plastic tarpaulin.

- Do not change cylinders when the fumigant system is under pressure. Change cylinders with all cylinder valves in the off position.

Following Fumigation:

- Keep all pets, livestock and other domestic animals out of the treated areas until after the tarpaulin has been removed.
- Do not allow entry by unprotected persons into the fumigated area until the signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm at the edge of the treated area and no sooner than 48 hours following application. Signs must remain legible during entire posting period.
- To determine whether aeration is complete, each fumigated site must be tested and shown to contain less than 0.1 ppm chloropicrin in the air space around the treated site.

Spill and Leak Procedures:

- Cease all operations if any leak develops in the fumigation system.
- Evacuate everyone from the immediate areas of the spill or leak.
- Approach the area from the upwind side. Work upwind, if possible.
- For entry into the area to correct the problem, trained personnel must wear loose fitting or well ventilated long-sleeved shirt and long pants, shoes plus socks and either (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TS-19C) or (b) a self-contained breathing apparatus (SCBA)(MSHA/NIOSH approval number prefix TC-13F).
- Only correctly trained and PPE-equipment handlers are permitted to enter. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1 ppm.
- Allow spilled fumigant to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility.
- Contaminated soil, water and other cleanup debris may be hazardous waste. Report any spill that exceeds 200 lbs (12.6 gallons of product) to the National Response Center at 1-800-424-8802.

MIDAS EC GOLD PRE-PLANT FIELD FUMIGATION METHODS:

Fumigations with MIDAS EC GOLD shall be performed in accordance with the following application techniques.

APPLICATION BY RAISED BED DRIP FUMIGATION

Row or bed applications are made at a maximum rate of 350 lbs product per treated acre but the amount will be proportionately less per acre depending upon the row spacing and width of treatment in the row or bed (refer to the FIELD RATE MODIFIER TABLE).

BEDDED PRE-PLANT DRIP FUMIGATION TABLE		
Crop	MIDAS EC GOLD Per Treated Acre ¹	Time Between Application and Planting ²
Field-Grown Ornamentals Peppers Strawberries Tomatoes	300 - 530 lbs/Treated Acre (19.8 – 35.1 gal/Treated Acre)	10 – 14 days
NOTE: ¹ For raised bed, the amount of product applied will be proportionately less per acre depending upon the row spacing and width of treatment in the row or bed. Use higher rates for Nutsedge and Malva control. It is recommended that a minimum of 450 lbs/acre (29.8 gal/acre) of MIDAS EC GOLD be applied. ² Use the longer planting restriction periods under conditions of high soil moisture, heavy soils, or rain.		

DISTANCE CALCULATION OF FIELD RATES FOR BEDDED APPLICATIONS

- In bedded applications, the treated acreage differs from the field acreage because only the rows are treated. As row width and spacing will vary, a "field-equivalent" rate range is possible. For applications, "field acre", "treated acre" and "real estate acre" are equivalent terms.
- To calculate the field rate equivalent to the actual raised bed application rate, multiply the treated rate by the appropriate Field Rate Modifier from the table below:

FIELD RATE MODIFIER TABLE

Row Spacing (inches)	Bed Width (inches)	Field Rate Modifier
72	40	0.55
72	36	0.50
72	32	0.44
72	30	0.42
72	28	0.39
66	32	0.48
66	30	0.45
66	28	0.42
66	24	0.36
60	30	0.50
60	28	0.47
48	28	0.58

For example, the field-equivalent rate for application using 72 inch row spacing and 36 inch bed width is 300 lbs product /Acre x 0.50 = 150 lbs product /Acre.

GENERAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION)

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

- Apply this product only through buried drip tape or equivalent irrigation system. Do not use this product through any other type of irrigation system.
- Only a person knowledgeable of the chemigation system and responsible for its operation, or persons under their direct supervision shall operate the system and make the necessary adjustments, should the need arise.
- Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
- Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regulatory serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, automatic valve located on the intake side of the injection pump or inert gas pressurized cylinder and connected to the system

interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) or an inert gas pressurized cylinder effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

APPLICATION INSTRUCTIONS FOR DRIP FUMIGATION

- MIDAS EC GOLD may be applied through buried drip tape. Use of a tarp seal is required for all applications of this product.
- The dilution rate for drip-line fumigation is 1060 - 1515 ppm. One gallon of MIDAS EC GOLD in 1810 gallons of water is equivalent to 1000 ppm. MIDAS EC GOLD must be metered into the water.
- Soil must be in good tilth and condition, free of clods and un-decomposed soil material.
- Use drip irrigation components made of brass, stainless steel, copper, nickel, polypropylene, polyethylene, Teflon, viton, rigid PVC, and EPDM. Rigid PVC must not be exposed to undiluted MIDAS EC GOLD or more than 1515 ppm of MIDAS EC GOLD in the diluted form. Do not use aluminum, vinyl, plastic (other than polypropylene or polyethylene), zinc or alloys.
- In very sandy soils, apply MIDAS EC GOLD when soil moisture conditions throughout the treatment zone are near field capacity. When necessary, apply a pre-treatment amount of water to wet the bed and enhance even movement of the material through the soil profile at time of treatment.
- MIDAS EC GOLD must be monitored as it enters the irrigation system and must pass through a static mixer, coarse filter, or fine strainer or equivalent devices to insure proper mixing before it is distributed through the irrigation system. Do not allow treatment solution to accumulate on the soil surface. Do not allow treatment solution to pond, puddle or run-off. If run-off occurs, discontinue the application immediately and cover the contaminated soil area with clean soil to absorb the material.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent back flow contamination of the water source.
- The pesticide injection pipeline must contain a functional, automatic quick-closing check valve to prevent the flow of fluid back toward the chemical supply or injection pump.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Pump types must be suitable for the injection of corrosive materials and capable of being fitted with a system interlock. Injection systems must use a metering pump, such as a positive displacement or diaphragm pump, venturi system or a pressure safe cylinder containing MIDAS EC GOLD equipped with a metering valve and flow meter.
- Following application, continue to apply irrigation water to rinse the irrigation system of any MIDAS EC GOLD. Make sure any rigid dead end or low spots are drained or flushed completely. **DO NOT ALLOW MIDAS EC GOLD TO REMAIN IN THE IRRIGATION SYSTEM.** Leave the soil undisturbed for at least 10 days after fumigation, and then proceed with normal agricultural practices for crop management activities.

CROP ROTATION RESTRICTIONS

Crops other than strawberry, tomatoes and peppers require a 4 month plant back rotation restriction from the date of fumigant application. Strawberries, tomatoes and peppers can be planted into treated soil as soon as crop safety can be assured and no sooner than 10 days after treatment.

PLANTING INTERVAL FOLLOWING DRIP FUMIGATION (CHEMIGATION)

- Do not plant for at least 10 days after application of the fumigant to avoid any potential of crop injury. A longer period before planting may be necessary if the soil is wet or cold.

- If tarpaulins are removed, planting can occur 10 days after application, including a minimum of 5 days prior to tarp cutting plus a minimum of 24 hours of aeration after the tarpaulins have been cut.
- If tarpaulins are not to be removed before planting, then planting shall not occur before either:
 - At least 12 days after application, including at least 24 hours after holes have been cut in the tarpaulin to allow for aeration; or
 - At least 14 days after application. In this case, tarpaulins do not need to be cut or aerated prior to planting. However, if this option is chosen, the chloropicrin air concentration below the tarpaulin must be less than 0.1 ppm before planting begins to avoid possible plant injury.
- To minimize the potential for crop injury, allow the fumigant to dissipate completely before planting a crop. Seeds may be used as a bioassay to determine if MIDAS EC GOLD is present in the soil at concentrations sufficient to cause plant injury. DO NOT PLANT if the odor of the chloropicrin used in MIDAS EC GOLD is detectable.

STORAGE, HANDLING AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool, well-ventilated area under lock and key. When appropriate to prevent tipping, store cylinders upright, secured to a rack or wall. Post as a pesticide storage area.

Handling: Product cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

Do not remove valve protection bonnet and safety cap until immediately before use. When cylinder is not in use, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Return of Containers: This pesticide container, whether full or partially used, is the property of the manufacturer or distributor where it was purchased and must be returned to the distributor of origin. Do not ship containers without safety caps or valve protection bonnets. Containers should never be refilled by the consumer or used for any other product or purpose.

FOR 24-HOUR CHEMICAL EMERGENCY (spill, leak, fire or accident) ASSISTANCE:
Call CHEMTREC at 1-800-424-9300

Warranty and Disclaimer Statement

1. The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America Corporation ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.
2. Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.
3. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**
4. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.**

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